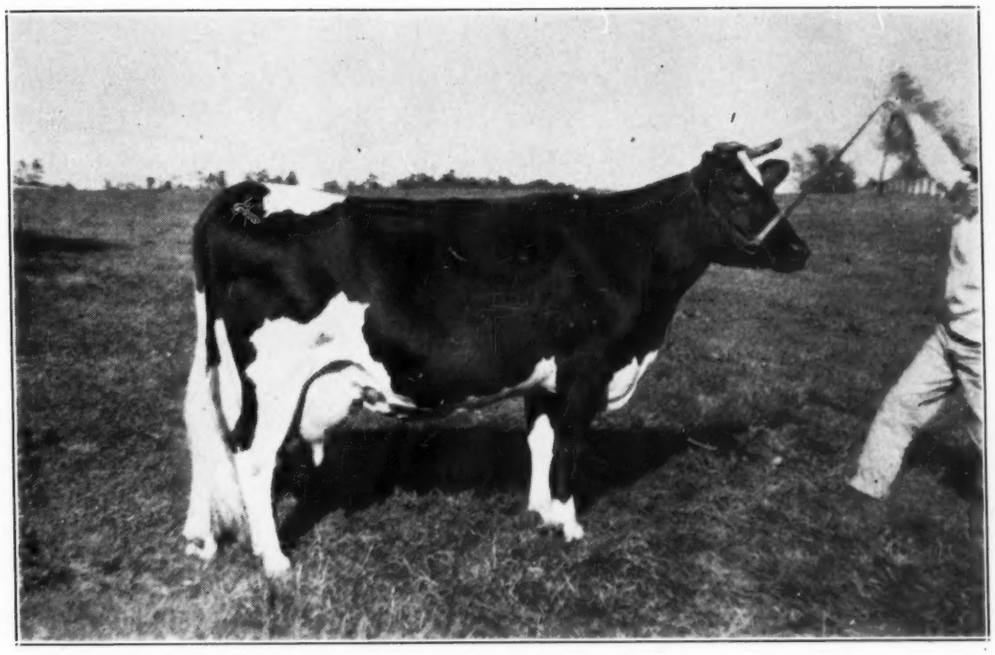
HOLSTEIN-FRIESIAN WORLD

VOL. XXXIX DECEMBER 5, 1942 No. 25

Top 3X Producer of 1942



DUNLOGGIN HAPPY MISTRESS 1802586

Her recent record of 1,168 lbs fat from 31,901 lbs milk on 3X is the highest 3X record thus far reported in 1942 and one of the greatest of all time. A Woodmaster daughter, bred and developed by Dunloggin, Ellicott City, Md.

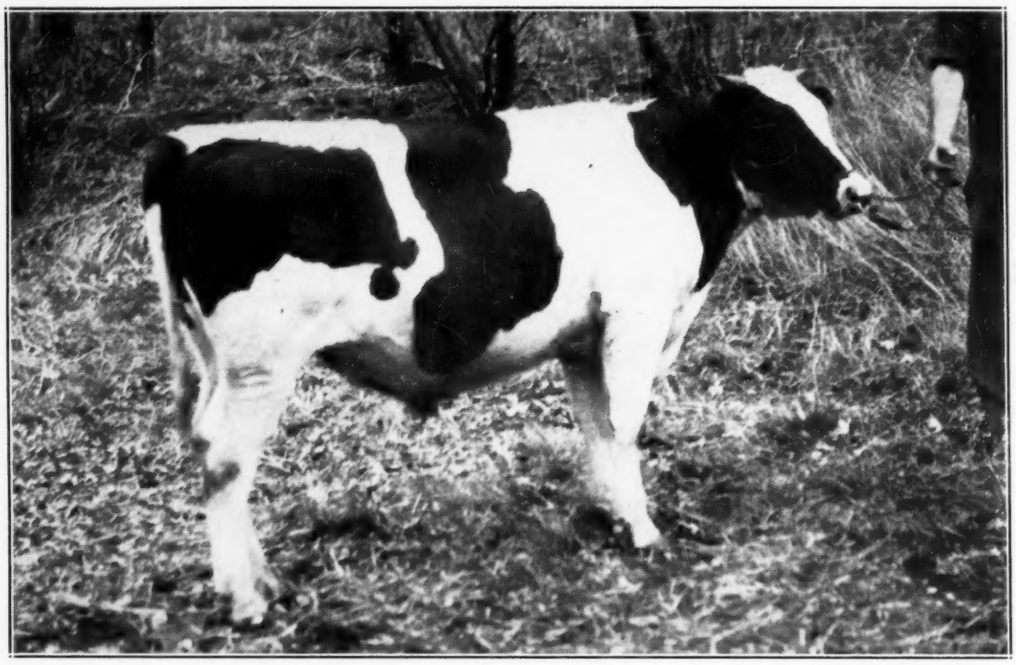
In This Issue

- **War Time Plans for Raising Heifers**
- **The All-Canadian Selections**
- **More Sale Reports**
- **And News and Pictures of the Industry**

Next Time—The Holiday Number

Featuring the 1942 All-Americans

Offering—A MARVELOUS SHOW BULL



E. T. 868 — Born Nov. 9, 1941
THIS BULL IS REALLY AN OUTSTANDING INDIVIDUAL
Perfect top line and rump, exceptionally good in the fore rib, heart girth, shoulder and neck.
He is deep chested and deep bodied, with an excellent spring of rib.
HE IS ACTUALLY VERY WELL PUT TOGETHER
And Backed by Good Type and Udders with High Production

His Sire—DARK PRIDE SUPERBA—who sires them all about like this. This sire is a son of Sir Pride Superba, Paul Stewart's well-known and popular 834-lb son of Pride of Sir Piets. Dam of Dark Pride Superba is a 4.2% three-fourths sister to our senior sire, Sir Ormsby Fobes Dictator.

His Dam—NINON FOBES DE KOL—an ideal young dairy cow, with 405 lbs fat as a 2-year-old on 2X milking. Her sire has an index of **693 lbs fat**—raised the average of daughters over dams by 135 lbs fat. The dams averaged 424 lbs fat on 2X and their daughters by this sire averaged 599 lbs fat. He also is a three-fourths brother to Sir Ormsby Fobes Dictator.

HE THUS HAS 37½% THE SAME BREEDING AS OUR OWN DICTATOR HERD SIRE

This Bull Will Sell Soon

If You Want an Excellent Show Bull, Service Age, Strongly Bred, Reasonably Priced

BETTER WIRE FOR A QUOTATION

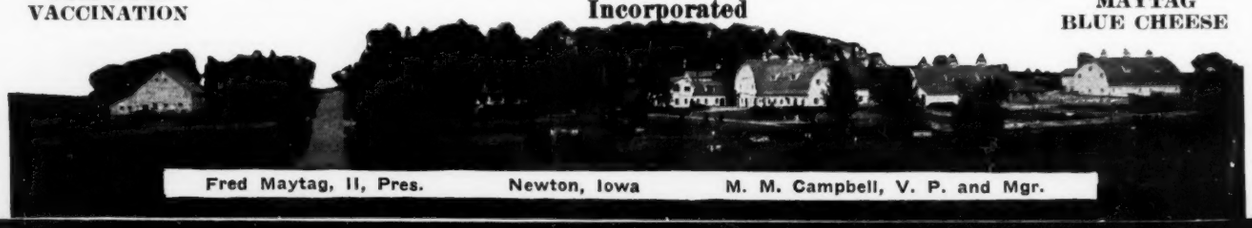
HERD NEGATIVE from CALFHOOD VACCINATION

MAYTAG DAIRY FARMS

Incorporated

Registered DUROCS

MAYTAG BLUE CHEESE



Fred Maytag, II, Pres. Newton, Iowa M. M. Campbell, V. P. and Mgr.

Our Latest State Champion

Osborndale Ollie Admiral Ormsby

At 2½y — 365d — 2X — 14683.0 M. 4.2% 610.2 F.

Not only is this a Connecticut State Record for age and classification, but it also ranks first in New England and sixth in the nation.

This gives us **17 CONNECTICUT STATE RECORDS** for butterfat in the regular divisions and classifications, including all seven age classes of the yearly division on 3X milking and five of the seven on 2X.

OSBORNDALE OLLIE ADMIRAL ORMSBY is the second daughter of our former herd sire, Rear Admiral Ormsby Fobes, to break a State Record. Her dam is a daughter of Osborndale King Ormsby with records up to 792 lbs fat, 3.9%, on 3X. The second dam is a Joash daughter with 838 lbs fat, 3.9% at 4 yrs on 3X and the third dam a Sir Inka May daughter that we purchased years ago for foundation purposes and that made for us 853 lbs fat, 3.8%, on 3X—and a great brood cow she proved to be, transmitting generation after generation. The fourth dam is the twice All-American aged cow, Tillamook Daisy Butter King De Kol (997 lbs fat at 4½ yrs).

YOUNG BULLS OF THESE BLOOD LINES ALWAYS FOR SALE

Final Reminder — Be Sure to See our Consignment at EARLVILLE, Dec. 9-10

ACCREDITED **OSBORNDALE** CERTIFIED

MRS. W. S. KELLOGG, Owner **Derby, Conn.** **F. M. NICHOLS, Supt.**

Offering a Line Bred Modest Bull

Son of 27th from the Highest Record Modest Daughter

This outstanding young bull is very typy throughout, straight top line, good length and depth of body, dark in color and a double grandson of old Sir Modest.

Dam—QUONQUONT BESSIE MODEST

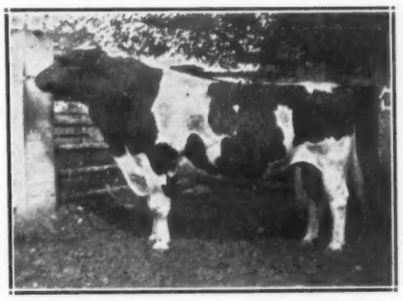
At 4½ yrs. — 365d — 23,123.3 M. 4.2% 968.6 F.

Third on the Honor List for 1941

This sensational daughter of Quonquont Sir Modest is out of Quonquont Butter Girl, who has produced in her lifetime over 130,000 lbs milk, her first three official records averaging 821 lbs fat, 3.6% average test.

Sire—QUONQUONT SIR MODEST 27th

His daughters have records up to 836 lbs fat and his first 10 unselected daughters average 3.8% test.



QUONQUONT SIR MODEST 27th
Our present senior sire—a proven son of Sir Modest from a dam with 936 lbs fat, 3.9% test.

Buy This Outstanding Bull Young and Save on First Cost — Write for Details

REMEMBER QUON-QUONT Where Quality Prevails and CALFHOOD VACCINATION Predominates

QUON-QUONT STOCK FARM

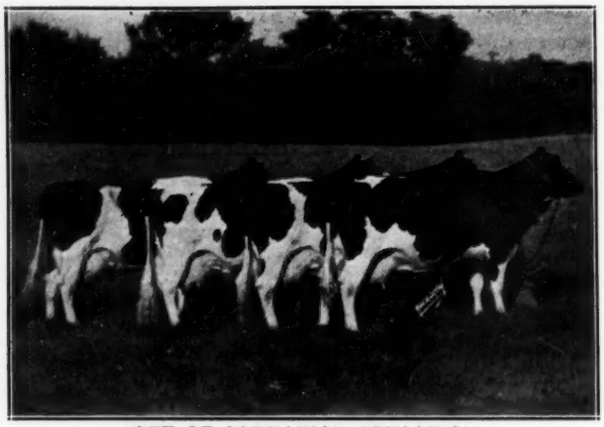
Herd Fully Accredited Since 1923

F. U. WELLS . . . OWNER

WHATELY MASS.

Published Every Other Saturday Price $1.50 Per Year
Entered as second class matter December 16, 1918 at the office at Lacona, New York, under the act of March 4, 1879

The Sensation Get of 1942



GET OF CARNATION SENSATION
For the 10th year in succession, an outstanding Get of this grand old Gold Medal Sire wins high honors in a great show. All four were from 8 to 10½ years old when shown this year.

First at Wis. State Fair

Our Only Show of the Year
From the camera, they are:

PABST CASCADE PRILLY WAYNE (at 10½y)
(664 lbs fat at 2 yrs.)
Grand champion at Minnesota 1937 and a money cow at Wisconsin 1942 at 10½ years old.

PABST CASCADE WAYNE (At 8 yrs.)
(587.7 lbs fat at 2 yrs.)
Third prize 4-yr.-old at Wisconsin 1939. Full sister to "Prilly Wayne."

PABST CASCADE COLANTHUS (At 9 yrs.)
(663.3 lbs fat at 2 yrs.)
Grand champion at Wisconsin and Iowa 1937.

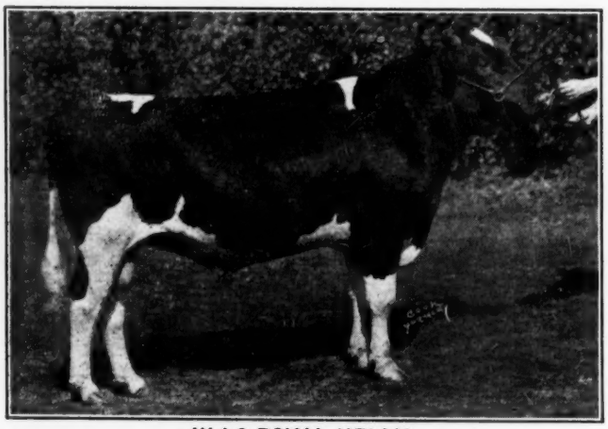
PABST CASCADE LUCY (At 8 yrs.)
(670.2 lbs fat at 2 yrs.)
Senior champion at Ohio 1939 and a money cow at Wisconsin 1942 at 8 years old.

PABST CASCADE PRILLY WAYNE, the No. 1 cow in the above Get, is the dam of Pabst Barta Prilly Wayne, first prize junior yearling bull at Wisconsin 1942 and nominated for All-American junior yearling this year. As his name indicates he is sired by our great young herd sire, Sir Ormsby Skylark Barbetta.

PABST FARMS [Acc. & Neg.] Oconomowoc, Wis.

Congratulations to Chile--

ROYAL KELLY Grand Champion at Chilean National Show



W I S ROYAL KELLY
Our undefeated All-American junior yearling bull of 1939, exported in 1940 to Corporacion de Fomento of Chile, S. A.

We have just learned that W I S ROYAL KELLY was grand champion this fall at the National Cattle Show of Chile, in a show of 220 animals, judged by that well-known dairy cattle authority, Mr. Guillermo Bullrich of La Martona, Buenos Aires, Argentina. Our hearty congratulations to his South American owners.

One of his Sons
W I S ORMSBY KELLY 817789
Has been Doing a Fine Job at our Wisconsin Industrial School

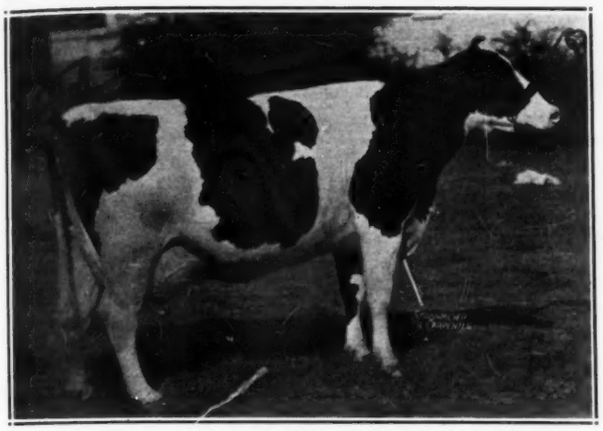
We also extend congratulations and good wishes to our good friend, Chris Mayer, who bought our Kelly daughter in the Blue Ribbon Sale.

ROYAL KELLY can now be added to the long list of bulls bred in our State Institution Herds that have made good for the breeder to whom we have sold them.

Wisconsin State Department of Public Welfare

W. W. KINYON, Farm Supervisor **MADISON, WISCONSIN**

Carnation Homestead Inka Mutual



At 5½y — 32470.4 Milk 3.8% 1248.2 Fat

This great record was made over a 6,000 mile show circuit in 1941. She was grand champion that year at Wisconsin, Michigan and Kentucky State Fairs, and Honorable Mention All-American Aged Cow.

She's the dam of our herd sire—

CARNATION PERFECTION TRIUMPH

Purchased as a 3-year-old at the top price of the 1942 Brentwood Sale from Ernest Sloan of Ellendale, Minn. His dam is this wonderful daughter of Governor of Carnation and he's sired by a maternal brother to "Governor."

BANCROFT ACRES

GLENN L. BANCROFT FLINT, MICHIGAN

Montvic Champion Abbekerk

At 7y — 3X — 21620 M. — 4.19% — 905 F.

Dam of: MONTVIC CHIEFTAIN 12TH
MONTVIC LOCHINVAR
MONTVIC DUCHESS ABBEKERK

It was "Chieftain 12th", her son by Montvic Chieftain, that did the job for us. His eight 2-year-old daughters in our herd average 550 lbs. fat on A. R. test. He had to be disposed of because of an accident, but right now we are using a son, soon to be favorably proven, Dougvic Senator Montvic Chieftain, he from a 622-lb. fat 3-year-old granddaughter of Vickery Beauty Beechwood 4th. His daughters are very pleasing, and are making more as 2-year-olds than their dams did at maturity. We can offer young sons of this sire, every one with 3 to 11 crosses to Johanna Rag Apple Pabst.

Douglas Knights - Sandwich, Ill.

"America's Most Mount Victorian Herd"

Bull Calves Sired By:

FOLLOW ON — A. O. F. AGAIN; PIETERTJE COLANTHA MOOIE, A Della daughter—908 Fat

and

CONQUEROR — CONFIDENT; CONNIE OF NORTH STAR, A great dam—501 Fat at 2 yrs.

And From Daughters of:

CONFIDENT — WOODMASTER; PIETERTJE HOME. BELLE, A Della daughter—889 Fat.

and

FOLLOW ON

Class B official records, made without forcing, on every dam. Write today for pedigrees and prices of calves bred right for both type and production.

The NORTH STAR Herd

W. S. Moscrip Lake Elmo, Minn.

Silver Medal Sire

FREDMAR SIR FOBES TRIUNE

His 2X 305-day index on 19 dam-daughter pairs is 503 lbs. fat. His 40 classified daughters include 2 Excellents, and average better than "Good Plus". Two daughters on 3X milking have 952 and 902 lbs. fat.

His offspring in our 1942 show herd won 50 blue ribbons and 23 championships at 6 shows including 5 state fairs. A double grandson is nominated for All-American Bull Calf.

Write today for full information about his sons and grandsons now available.

H. J. Meierkord—Mike Schroll—Hateshol & Sons

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5¼" x 8¼" with same binding as the "Master Loose Leaf" model, containing 87 female blanks, 10 males, 3 Service record sheets and loose leaf index. Your name stamped in gold.

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1500 REGISTERED HOLSTEINS BRED TO THESE 5 SIRES

Fairview Montvic Chieftain

Son of the World Record CNE Champion, **Montvic Rag Apple Colantha Abbekerk,** 1263-lb fat, 4.32% test, Sired by **Montvic Chieftain.** We have over 600 of his daughters.

Duke Wilson Posch

Grandson of Johanna Rag Apple Pabst from a 958-lb, 3.9% daughter of a 952-lb 4-yr-old. Over 400 cows are in calf to him.

Wimbledon Inka Chieftain

Proven son of Carnation Chieftain from a daughter of Sir Inka May. We have over 400 daughters of this well proven bull.

Carnation Inka Emperor

Proven full brother to famed Carnation Emperor—a son of Governor of Carnation. 12 daughters average 502 lbs fat, 4.18%, 2X, 305 days, at 27 months of age.

Carnation Hazelwood Korndyke Lad

A young son of Carnation Peerless from a daughter of Carnation Chieftain. 300 bred to him.

We offer a wide selection of sons of these sires from dams with records as high as 800 lbs. fat. Write today for our current bull sales list.

BROOME-TIOGA DAIRY CATTLE ARTIFICIAL BREEDING COOP., INC.

Louis J. Beautes, Supt. Ouaquaga, N. Y.

Mating Our EMPEROR and DEAN Daughters

with

MATCHMAKER

And Getting Great Calves from Such Combinations

CARNATION EMPEROR

A Blue Ribbon Aged Bull

Well proven as a sire of show type and good production with high test, he is a son of Governor of Carnation from a 931-lb fat daughter of Sir Inka May, next dam, with 974 lbs fat, is the dam of Matador Segis Ormsby.

CARNATION MATCHMAKER

Son of Governor of Carnation from a 1,000-lb fat daughter of Matador Segis Ormsby.

WIMBLEDON DEAN MARATHON

All-Time All-American 2-year-old

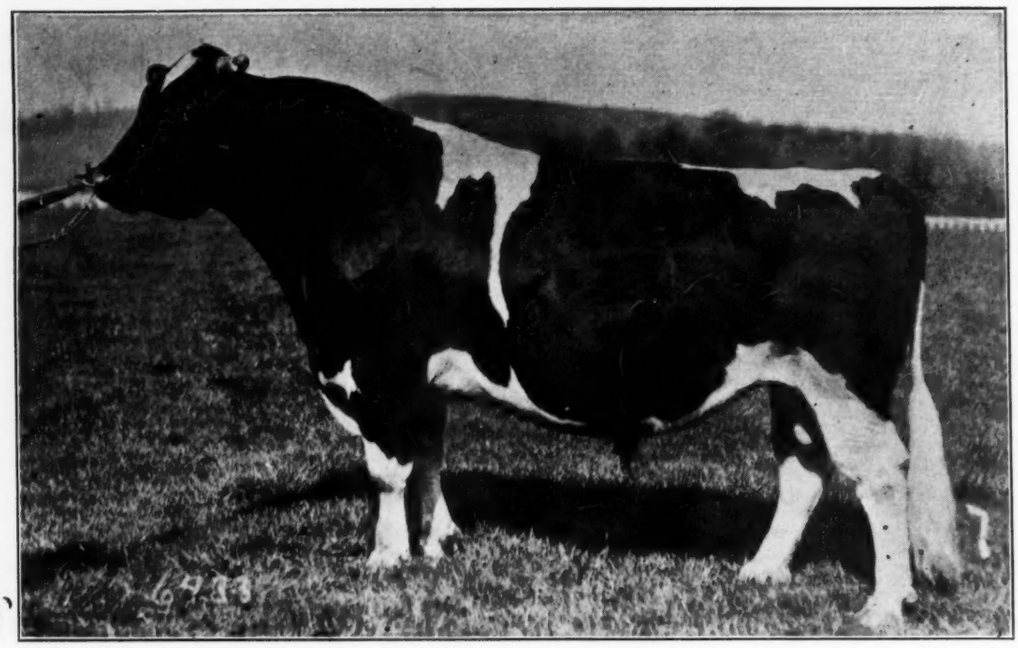
Res. All-Time All-Am. Sr. Yearling

Proven as a sire of type, production and test, he is a grandson of Lashbrook Pearl Ormsby and Marathon Bess Burke.

Ask Us About MATCHMAKER Bulls from EMPEROR and DEAN Dams

WIMBLEDON FARMS — Annapolis, Md.

H. O. NORRIS, Owner (Acc. & Cert.) L. H. STOTTLEMYER, Supt.



GOVERNOR OF CARNATION
Sire All-American Get 1939, 1940
Sire of Carnation Homestead Inka Mutual
Grand Champion Wisconsin, Michigan, Kentucky, 1941
Butterfat—1,248, Milk—32,470.4

We Offer A Son of the "Governor" From A Daughter of Matador Segis Ormsby

Governor of Carnation is making history at Carnation Farm. His All-American son and grandson, his many prize winning daughters, and the fact that all his daughters tested in Class A to date average over 1,000 lbs of fat each—these signs point to the place he will occupy as time passes.

The most sensational of his daughters, Carnation Homestead Madcap, holding all world's records for milk and for fat for her age, and greatest butterfat producer among all heifers, is from a daughter of Matador Segis Ormsby.

And this week we offer you a bull (Ear Tag 7860, born June 11, 1942) that is a son of "Governor" from a daughter of Matador Segis Ormsby. The dam's dam has had 5 great producing daughters in the Carnation herd and is a daughter of Sir Inka May.

If you require something exceptionally reliable in a herd sire, investigate this one today.

Address
CARNATION MILK FARMS
1512-A Stuart Building
Seattle, Washington

Carnation Milk Farms

HOLSTEIN-FRIESIAN WORLD

VOL. XXXIX DECEMBER 5, 1942 NO. 25

War Emergency Plans for Raising Calves and Heifers

Prepared by: E. S. SAVAGE (Chairman) W. E. KRAUSS, S. W. MEAD for the Committee on Animal Nutrition National Research Council

In order to continue to meet the demands of the war emergency for milk and other dairy products, animal replacements are obviously called for. It is recognized that how the young animal is fed as a calf and as a heifer governs her usefulness as a milk producer. Because of the very high goals that have been set for milk production, it is particularly important in the present emergency that calves and heifers be fed as well as possible. At the same time, the problem is heightened because many of the feeds which are commonly relied upon for rearing calves are short, or unavailable. It seemed particularly desirable, therefore, to publish a report which would contain suggestions as to how the present feed supplies could be used to best advantage in rearing calves and heifers. The Committee, therefore, asked Dr. E. S. Savage to prepare such a report with the assistance of Dr. W. E. Krauss and Professor S. W. Mead. The report was in turn carefully considered by the Committee, and is here presented with sincere thanks to its authors.

Members of the Committee on Animal Nutrition.
L. A. Maynard, Chairman; School of Nutrition, Cornell University; R. M. Bethke, Secretary, Nutritional Investigations, Ohio Experiment Station; E. B. Forbes, Institute of Animal Nutrition, Pennsylvania State College; E. B. Hart, Agricultural Chemistry, University of Wisconsin; G. H. Hart, Animal Husbandry, California Experiment Station; A. G. Hogan, Animal Nutrition, University of Missouri; Paul E. Howe, Nutrition, Office of the Surgeon General, U. S. Army; H. H. Mitchell, Animal Nutrition, University of Illinois; Robert F. Griggs, Chairman, Division of Biology and Agriculture, ex officio.

HIGH production, within limits, is the most important single factor in economical milk production at any time. This economical high production cannot be attained unless the animals are well bred and properly grown. This applies equally to grade and registered animals. When it is considered that at least 5,000,000 heifer calves must be raised each year in order to provide replacements for the dairy herds of this country, the importance of knowing how to care for and feed these calves must be realized, especially during the war emergency when some feeds are scarce.

Phillips (1) has stated that "efficient reproduction depends upon the satisfaction of all nutritive requirements." This means then that the dams must be so fed that live, vigorous offspring will be produced. Savage and McCay (2) have shown that in a large herd over a ten-year period 12 per cent of the calves born were dead or died at birth and 11 per cent of the calves born alive died early in life. Reduction of this 23 per cent loss of potential future herd replacements requires proper nutrition, disease control, and good management. One of the first steps in a successful calf raising program, therefore, would be to feed the dams adequately with respect to energy, protein, minerals and vitamins, as prescribed by Phillips (1). There seems to be a definite relation between the nutrition of the dams and the health of the newborn calves.

A second step involves feeding the newborn calves themselves, and to do that properly knowledge of the basic nutritional needs of calves is necessary.

Nutritive Requirements of the Calf

Energy. Energy is needed for all body processes and activities. At birth the energy requirement is readily met by the high-fat colostrum the calf takes or the 6 to 8 pounds of whole milk (preferably from the dam) allowed daily during the first week. The energy requirement increases as the calf grows. The milk intake should increase until one pound is fed for each 10 pounds of liveweight. Thus, a hundred pound calf would get 10 pounds of whole milk. This would furnish 1.62 pounds of total digestible nutrients which happens to fall midway between the Morrison standard range of 1.2 to 2.0 pounds of total digestible nutrients for a calf of that weight. As the calf grows and its energy requirement increases, grain and hay are added as sources of energy and can replace milk entirely for this purpose.

Protein. Little is known about the protein needs of young calves. Whole milk contains 3.5 per cent protein; on a dry basis 27 per cent protein. Experience has shown that when milk is fed to the extent recommended in the feeding system given farther on, a grain mixture containing 15 to 20 per cent total protein is adequate. Likewise, calf meals and calf starters containing 18 to 24 per cent protein have been successfully used. Lower levels of protein intake have not been tested.

During the first 6 to 8 weeks, quality of protein is probably of importance because the rumen is not developed very much and the bacterial synthesis of protein must either be absent, or present only in a small degree. Normally during most of this period milk is fed, thus supplying the quality of protein that dry feeds may not have. It is difficult to supply protein adequate in quality without the use of some milk, therefore, in the recommendations in this paper, a total of 350 pounds of whole milk is allowed over the first seven weeks of the calf's life. The calf is unique in that at first it is similar to an animal with a single stomach. The anatomy of the stomach rapidly changes and in a few weeks the calf is a ruminant. After the rumen de-

velops, the protein supply is broadened from the mixed hay and grain which brings in proteins from different plants, and from the infusoria and bacteria that develop. All of these sources increase the variety of proteins available so that it is unnecessary to provide milk protein after seven weeks. It is possible to wean calves from milk before seven weeks, but not desirable. On the average, whole milk on the farm is seldom worth more than two dollars for 100 pounds. If the calf is not worth the investment of seven dollars worth of milk to insure a good start, then that calf is not worth raising at all.

As the calf develops its protein-manufacturing apparatus the need for high quality protein is reduced, milk can be eliminated and rather simple combinations of dry feed can serve as protein sources.

Minerals: Calcium and phosphorus are needed in rather large quantities by rapidly growing calves. So long as milk is fed according to the plan, calcium and phosphorus will be adequately supplied. After milk feeding has been discontinued legume or legume and grass hay, together with grain mixtures containing high phosphorus feeds such as wheat bran, linseed oil meal or cottonseed meal will furnish adequate amounts of calcium and phosphorus. Because legume hay is often not available and because cereal grains may constitute the grain mixture entirely, it is often recommended that grain mixtures for calves and heifers contain 1 per cent of calcium and phosphorus supplements such as steamed bone meal or dicalcium phosphate for both calcium and phosphorus, and ground limestone as a source of calcium only.

Like all animals, calves require salt which should be incorporated in the grain mixture to the extent of 1 per cent or supplied free choice separately. In goitrous and semi-goitrous areas the salt should be iodized.

In certain restricted areas iron, copper, cobalt and manganese may need to be supplied, but this is a matter for local decision.

Vitamins. The feed of young calves must contain vitamins A and D. A calf is born with little, if any, storage of these two vitamins. Colostrum and the subsequent whole milk may or may not contain adequate amounts of vitamin A, depending on the cow's ration. Milk is also deficient in vitamin D since a calf can develop rickets on an exclusive milk diet. High quality sun-cured legume or mixed hay of the most recent crop are good sources of vitamins A and D. The carotene content of hay is chiefly in the leaves and is indicated by the green color. However, hay loses its carotene content with time and may do so without marked change in color, and lack of green color is not always a sign of lack of carotene. It is desirable, therefore, to use hay that has not been stored too long. Often, however, calves will not consume enough hay for 6 to 8 weeks to supply their needs. Vitamins A and D, therefore, should be present in the grain mixture or be fed separately. Ordinarily a fish liver oil or fish liver oil concentrate can be used for this purpose. When fish liver oils are scarce or restricted such materials as dehydrated alfalfa or cereal grasses, and irradiated yeast will need to be resorted to as sources of vitamins A and D, respectively. Even under normal conditions irradiated yeast has been shown to be economical and as effective a vitamin D source as cod liver oil (3).

The vitamin D requirement of calves has been set by Bechdel, et al (3) at 400 U. S. P. units per 100 pounds of liveweight. The minimum vitamin A requirement, according to Guilbert, Howell and Hart (4), is 1,080 International Units of true A or 2,205 International Units of carotene per 100 pounds of liveweight. For best practical performance the intake should be at least 5 times these values. At least one pound of good quality sun-cured hay, not less than six months old, or one pound of a fortified calf starter, would need to be consumed daily per 100 pounds of liveweight to meet these requirements for vitamin A and D. Since calves often fail to eat these quantities of dry feed until 6 weeks of age, and since milk cannot be depended upon to furnish these factors adequately, it would seem to be desirable to feed daily 2 teaspoonfuls of cod liver oil or 2.0 cc. of cod liver oil concentrate, or some other special source of the vitamins, during the first 6 weeks, especially during the winter months. Of course, ample sunshine eliminates the need for any special food source of vitamin D, but many calves receive little if any exposure to sunshine during the early weeks of life.

Further evidence of the need for large amounts of vitamin A was found by Krauss, Monroe and Hayden (5) who were able materially to reduce the incidence of pneumonia in calves by feeding 15,000 units of vitamin A concentrate daily.

The need of calves for the vitamins in the B-complex is not entirely clear. Thiamin, riboflavin, nicotinic acid, pantothenic acid and pyridoxine have all been shown to be synthesized in the calf rumen. The fact that these factors of the B-complex can be synthesized does not prove at all that they are synthesized in optimum amounts at all times.

Although it was formerly believed that calves could be raised on a B-complex-free ration, Phillips et al. (6) have recently shown that factors of the B-complex, together with vitamin A, are effective in controlling calf scours. This might suggest the use of yeast in calf feeds since yeast is rich in certain factors of the B-complex. Newman and Savage (7) obtained more favorable results by including yeast in a calf feed that had previously given good growth. Other workers have indicated no favorable results. There may be an interplay between yeast and the bacterial flora of the rumen that will account for the variable results derived in yeast feeding. On the whole, it seems to be a useful ingredient in the rations of young animals.

Nothing is known about the calf's requirement for other known vitamins or vitamin-like factors.

Water. Calves should be provided with all the water they want at all times.

Methods of Feeding Heifer Calves to Six Months of Age

Nurse Cow Method. It has been said that a heifer calf is entitled to 350 pounds of whole milk with which to start. One good method of raising calves, particularly in a large herd, is to raise them on nurse cows. Put enough calves on a nurse cow so that they will get not more than 8 to 10 pounds of milk per day. Tie the cow in a roomy box stall and give the calves free access to a good calf starter in a box fastened on the stall wall. Feed the calves hay apart from the cow. At seven weeks take each calf from the cow and feed on calf starter, hay and water until it is 16 weeks old, then on hay, water and a simple grain mixture.

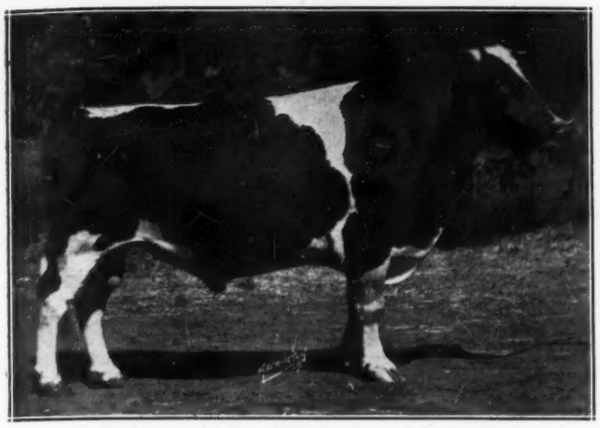
Whole Milk-Skimmilk Method. This is the system that normally would be followed if whole milk and skimmilk or skimmilk powder were not needed for other purposes and were reasonable in price. Briefly, the system involves feeding whole milk at the rate of 10 per cent of the liveweight (usually 10 to 12 pounds) for at least a month and then liquid skimmilk or reconstituted skimmilk powder up to 12 to 16 pounds daily until the calf is 4 or 6 months of age. A simple grain mixture can be used, along with good quality legume or mixed hay.

This system may often involve the feeding of as much as 500 pounds of whole milk and 2,000 or more pounds of skimmilk. For emergency times when whole milk and skimmilk are to be diverted for human consumption purposes, this system is not to be recommended, especially when such substitute procedures as the ones following may be employed. However, there is much skimmilk on farms which it is not practicable to assemble and market for human consumption. In these

(Continued on page 36)

ALL-CANADIAN SELECTIONS—1942

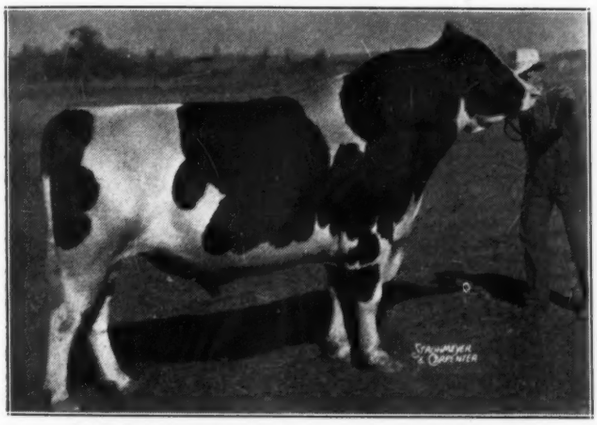
Aged Bull



SPRUCEHAVEN FARM HERMIT 124952 CHB

First prize aged bull, senior and grand champion at Calgary, Edmonton, Regina and Saskatoon Exhibitions, second at Waterloo Dairy Cattle Congress, third at Minnesota. Geo. Gibb and B. E. Hosford, So. Edmonton, Alta., and Hays & Co., Ltd., Calgary, Alta.

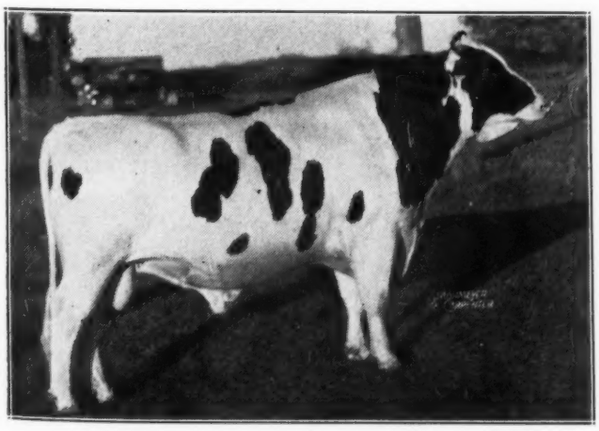
3-Year-Old Bull



EATON HALL CHIEFTAIN FAYNE 128386 CHB

First prize three-year-old bull, reserve senior and reserve grand champion at Roseneath Championship Show; senior and grand champion at Orono B & W Show and Lindsay Fair. Archie Muir & Sons, Courtice, Ont.

2-Year-Old Bull



LYNWOOD SENATOR MERCEDES 137056 CHB

First prize two-year-old bull at Ingersoll Championship Show and Oxford County Show. Estate of J. C. Karn and Karn Bros., Woodstock, Ont.

THIS year, the "Holstein-Friesian Journal" in cooperation with the Holstein-Friesian Association of Canada, inaugurated a plan of All-Canadian Awards, based upon the same idea and procedure as our All-Americans. Designed to fill in and maintain Holstein show interest among their breeders while the annual round-up at the Royal Winter Fair was out of operation, it has proved to be a highly popular undertaking. With our entire approval and blessing the **World** All-American system was adopted with very few changes. Their established shows were largely cancelled, as in this country, and they did a fine job of organizing local Black and White Shows, with a series of Championship Shows to cover the huge Province of Ontario. Winners at these Championship Shows as well as the various provincial shows were declared eligible for All-Canadian nomination. Schedules were carefully planned and expert photographic service arranged, with the result that they had

Aged Bulls
(AC) Sprucehaven Farm Hermit
(Res.) Inka Supreme Posch
(Hon.) Browns Inka Walker

3-Year-Old Bulls
(AC) Eaton Hall Chieftain Fayne
(Res.) Spring Farm Columbus
(Hon.) Glenafton Acme Mercedes
(Hon.) Count Pathfinder Kerk
(Hon.) Strathmore DeWinton Laddie

2-Year-Old Bulls
(AC) Lynwood Senator Mercedes
(Res.) Rag Apple King Bessie Abbekerk 14th
(Hon.) Colony Vrouka Sir Hengerveld 3rd
(Hon.) Cedar Dale Man-O-War Bill

Senior Yearling Bulls
(AC) Westland Hayden Monarch
(Res.) Montvic Lochinvar 3rd
(Hon.) Elm Colanthus Rag Apple Righto
(Hon.) Lynwood Mercedes Paul
(Hon.) Strathaven Supreme Command

Junior Yearling Bulls
(AC) Montvic Rag Apple Achilles
(Res.) Montvic Renown*
(Hon.) Spring Farm Mervin*
(Hon.) Hays' Little Joe 22nd
*Tie broken by popular vote

Bull Calves
(AC) Montvic Emperor Bonnie
(Res.) Str. Prince Hengerveld
(Hon.) Spring Farm Acme
(Hon.) Glenafton Admiral

Aged Cows
(AC) Glen Valley Pietje Beauty
(Res.) Colony Madam Perfection
(Hon.) Typy Faforit
(Hon) Mollie Cornucopia Bonerges

4-Year-Old Heifers
(AC) Nellie Alcartra Gerben
(Res) Mary Pontiac Hartog Lea
(Hon) Inka Echo Mercedes

3-Year-Old Heifers
(AC) Cedar Dale Man-O-War Carol
(Res) Mountain View Tidy Supreme
(Hon) Rightaway Dewdrop Molly
(Hon) Hillandale Alcartra Pabst

2-Year-Old Heifers
(AC) Strathmore Hello Winsome Flood
(Res.) Glenvue Wicky Inka
(Hon.) Trailynd Princess Dewdrop
(Hon.) C. V. Misty Darkness

Senior Yearling Heifers
(AC) Strathmore Lady Aaggie Hello
(Res.) Tillie Penner Abbekerk
(Hon.) Glenvue Noella Inka
(Hon.) Dorothy June Pontiac

Junior Yearling Heifers
(AC) Susie Canary Columbus
(Res.) Spring Farm Dainty Pabst
(Hon.) High Point Patty Supreme
(Hon.) Strathmore Pearl Dee Flood

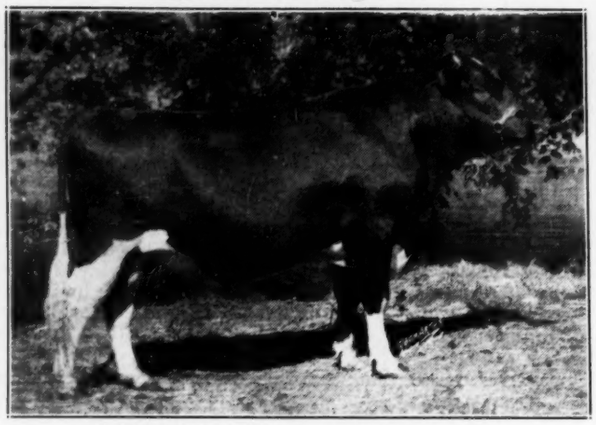
Heifer Calves
(AC) Laurene Francy
(Res.) Hays' Superba Josie
(Hon.) Rutherglen Netherland Korndyke
(Hon.) Browns Mistress Ada
(Hon.) Glenvue Roma Inka

Produce of Dam
(AC) from Lynwood Blanche Canary
(Res.) from Pontiac Segis Maud
(Hon.) from Elmcroft Pearl Snow
(Hon.) from Belle Inka Abbekerk

Get of Sire
(AC) by Colony Flood Sir Hengerveld
(Res.) by Paul Abegweit Mercedes
(Hon.) by Man-O-War Dictator
(Hon.) by Illehee Model Palmyra
(Hon.) by Dimple Car Born
(Hon.) By Montvic DeKol Baron

ALL-CANADIAN SELECTIONS—1942

Senior Yearling Bull



WESTLAND HAYDEN MONARCH 142465

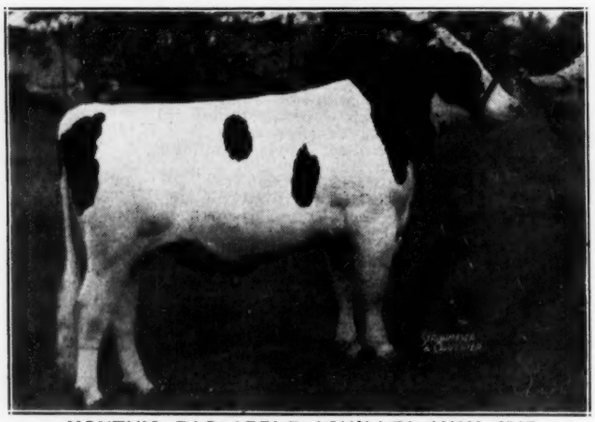
First prize senior yearling bull, junior and reserve grand champion at Calgary, Edmonton, Saskatoon and Regina Exhibitions; 3rd at Minnesota; 4th at Waterloo Owned by Hays & Co, Calgary, and F W Leeson, Didsbury, Alta

Senior Yearling Heifer

STRATHMORE LADY AAGGIE HEILO 470355 CHB

First prize senior yearling and junior champion at Calgary, Edmonton, Saskatoon and Regina Exhibitions, second at Waterloo Dairy Cattle Congress and Minnesota State Fair. C.P.R. Supply Farm, Strathmore, Alta., and Hays & Co., Ltd., Calgary, Alta.

Junior Yearling Bull



MONTVIC RAG APPLE ACHILLES 144666 CHB

First prize junior yearling and reserve junior champion bull at Ingersoll Championship Show. Smith Haven Farm, Woodstock, Ont.

Junior Yearling Heifer

SUSIE CANARY COLUMBUS 482809 CHB

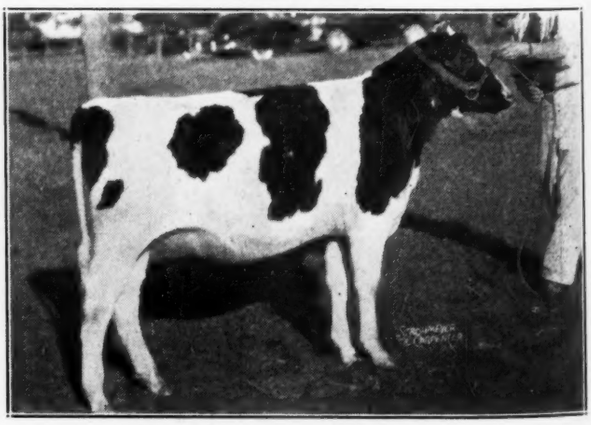
First prize junior yearling and junior champion heifer at Ingersoll Championship Show. W. G. Whitney, Milverton, Ont.

Bull Calf

MONTVIC EMPEROR BONNIE 150077 CHB

First prize bull calf and reserve junior champion at Kemptville Championship Show, first, junior and grand champion at Newington B & W Show. Chas. T. Shaver & Son, Aultsville, Ont.

Heifer Calf



LAURINE FRANCY 509301 CHB

First prize heifer calf and reserve junior champion at Ingersoll championship Show. W. B. Struthers, Milverton, Ont.

ALL-CANADIAN SELECTIONS — 1942

Aged Cow

GLEN VALLEY PIETJE BEAUTY 393387 CHB

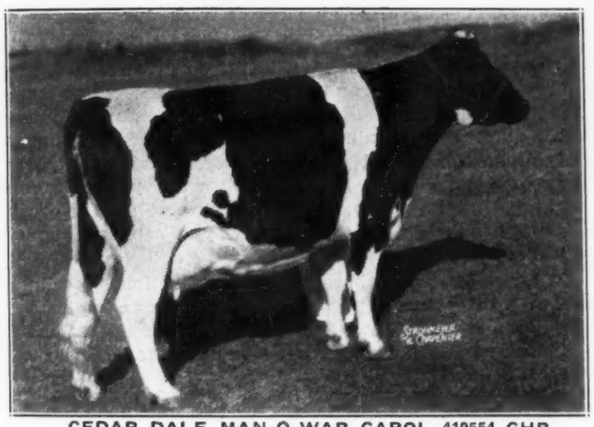
First prize aged cow, senior and grand champion at Milton Championship Show and Markham B & W Show. Eaton Hall Farm, King, Ont.

4-Year-Old Heifer

NELLIE ALCARTRA GERBEN 386589 CHB

First in aged cow class, senior and grand champion at Calgary, Edmonton, Saskatoon and Regina Exhibitions. Hays & Co., Ltd., Calgary, Alta.

3-Year-Old Heifer



CEDAR DALE MAN-O-WAR CAROL 419554 CHB

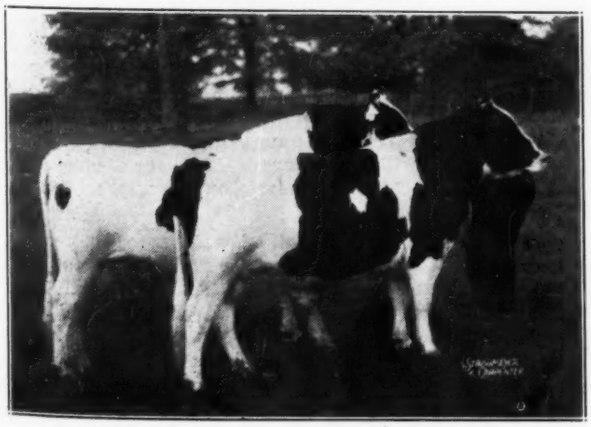
First prize three-year-old, reserve senior and reserve grand champion female at Roseneath Championship Show, first, senior and grand champion at Orono B & W Show. M. J. Tamblyn, Orono, Ont.

2-Year-Old Heifer

STRATHMORE HEILO WINSOME FLOOD 441643 CHB

First prize two-year-old heifer at Minnesota State Fair and Calgary, Edmonton, Saskatoon and Regina Exhibition, second at Waterloo Dairy Cattle Congress. C. P. R. Supply Farm, Strathmore, Alta.

Produce of Dam



From LYNWOOD BLANCHE CANARY 344428 CHB

First prize Produce of Dam at Ingersoll Championship Show. J. C. Freel & Sons, Thamesford, Ont.

Get of Sire

By COLONY FLOOD SIR HENGERVELD 118965 CHB

First prize Get of Sire at Minnesota State Fair and the Calgary, Saskatoon and Regina Exhibitions, seventh at Waterloo. C. P. R. Supply Farm, Strathmore, Alta.

HOLSTEIN-FRIESIAN WORLD

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Black and White Record ..... Est. 1916

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WM. THEODORE PRESCOTT, Assistant Editor

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December 5, 1942

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Sale Calendar

Dec 9-10—Earlville, N. Y.—The 150th Anniversary Sale. R. Austin Backus, Sale Manager, Mexico, N. Y.
Dec. 16—Watertown, Wis.—Watertown Breeders Sale, Baird & Darcey, Sale Managers, Waukesha, Wis.

Coming Events

Dec. 15—Harpersfield, N. Y., Wilbern Barkley Estate Dispersal, R. Austin Backus, Mexico, N. Y., Sale Mgr.
Dec. 16—Sutherland, Ia.—Plainview Farms Dispersal, Orr G. Watson, Owner and Manager, Sutherland, Ia.
Dec. 17—Willow St., Pa. (Lancaster Co.) 2d Garden Spot Consignment Sale, Penn. Fed. of Holstein Clubs & R. Austin Backus, Mexico, N. Y., Sale Mgrs.
Dec. 18—Detour, Md., Will-Mil Farms Dispersal, R. Austin Backus, Mexico, N. Y., Sale Mgr.
Dec. 28-29-30—Copake, N. Y., Langdonhurst Farms Dispersal, R. Austin Backus, Mexico, N. Y., Sale Mgr.
Dec. 29—Greenfield, Mass.—(Mansion House) Annual Meeting Hampshire-Franklin County Holstein Ass'n.
Jan. 6—Worcester, Mass.—(Horticultural) Annual Meeting Mass. State Holstein Ass'n (10 A. M.)

Heavy Farm Scrap Urgently Needed

CHAIRMAN DONALD M. NELSON wires this publication that more heavy scrap metal is urgently needed to maintain steel mill production schedules, and American farmers are asked to dedicate the remaining weeks of 1942 to an intensified scrap hunt.

The earlier drives, naturally best organized in cities and towns where trucks and contacts and volunteer labor were more accessible, proved to be tremendously successful, but brought out a large proportion of light household scrap. The need now is for more heavy scrap to mix with it.

Evidence indicates that the heavy scrap situation on the farms has barely had the surface scratched thus far. When local drives were in progress last summer, farmers were so busy with pressing farm work and the job of breaking all records in food production, that they could not take the time for a real scrap hunt. Everybody at Washington now recognizes that. Farm work now, however, is less rushing, and these next few weeks wi. offer farmers the best opportunity they will have for giving wholehearted attention to scrap collection. Perhaps the weather in our northern climates will not be too pleasant for this work, particularly for picking up old machinery and parts that have accumulated outside in fence corners and hedge rows, but ice, snow, rain and mud will not stop our fighting men, and we know they will not stop our civilian scrap harvesters either.

Donald Nelson has instructed all local committees to give full cooperation on this renewed drive for heavy scrap during these coming weeks and to make available to the farmer all their transportation facilities and man power.

We now have our war plant really turning the heat on the Axis. The war news looks mighty encouraging in recent weeks but we must keep up the pressure ever and ever stronger. We must continue to "hit hard, hit fast, hit often." It will hasten the day of Victory and Peace. A successful scrap harvest from our farms now will be a mighty further contribution to this program.

One word of caution may be in order. In your enthusiasm, do not scrap salvagable spare parts that might find later use. Every machine that can be made usable should be repaired because new farm machinery is rigidly rationed and will be in very small supply for the next year. Uncle Sam doesn't want you to scrap anything that is usable, but he does want all the worn out and broken heavy scrap metal you can collect and he wants it NOW.

If you are in doubt about the collection procedure in your own community, telephone your farm implement dealer or county agent. They can tell you the name of your local salvage chairman so you can make contact. Please do it today.

Christmas Gifts

WITH a national income nearly 50% above even the boom business year of 1929, the natural inclination of generous America will be to splurge on Christmas giving. If the civilian goods were available, what a buying spree would be witnessed—and what an impetus given to inflation.

Perhaps it would not be amiss to remember, now that wage and salary earners have felt only the brighter side of the financial picture thus far. The Victory Tax of 5% on all payrolls will start taking effect next month, and then in March many of us will wonder what became of our 1942 wages, for Uncle Sam will be calling for his share. And we will not begrude him, for America is doing a job that calls for money on an unprecedented scale.

Christmas gifts of a practical nature will be completely in the spirit of 1942. War Savings Bonds are always appropriate and will help to put the final kick into our victory drive.

For Holstein folks, some of the useful things which the **World** has available will be appreciated. Herd Registers, in a range of prices from $2.00 up to $7.50, all of excellent workmanship, make fine gifts. **World** subscriptions, with the new All-American calendars, are included in many breeders' gift lists. The Christmas bargain rate of 5 years for $5.00 (4 years in Canada) is in

effect again for this season. And books—a wide range of recommended titles is listed on another page of this issue. Mark Keeney's Cowphilosophy is already in the libraries of most of our readers. There are only a few copies left, so if you have missed this "best seller", now is a good time to correct that. With emphasis on the importance of feeding. Morrison's Feeds and Feeding is almost a "must" for the library of the practical livestock man. We carry it in stock for immediate filling of orders.

Look over the list, and we'll be happy to cooperate in prompt filling of all orders desired for Christmas gift purposes.

All-American Holiday Number Next

OUR next issue—December 19—will be the annual All-American and Holiday Number. It will present as its leading feature the 1942 All-American awards. The nominations, published in our issue of November 21, are now in the hands of the Selection Committee, and the results of their balloting will be keenly awaited.

While participation in the shows last season was reduced through necessary cancellation of so many of the shows, interest in the winners seems as great as ever, and perhaps this final award will serve an even more useful purpose than in normal years.

We especially invite all our readers to take part in the Popular Judging Contest—and to promote interest in it among their families and employees. It is educational and interesting, and provides worthwhile relaxation around the family fireside. The prizes have been expanded this year, with a $50 War Savings Bond as the first prize; a $25 Bond for second place, and so on down the line to include the top fifty in the contest. Remember, the close is December 9. We hope to hear from all of you. A departure this year is the inclusion of the ballot form as a part of your November 21 issue. Tear it out, or duplicate it, and mail promptly.

Signpost of Future Transportation

SIGNIFICANT of probable future developments in transportation is the announcement of Orr G. Watson in connection with his dispersal sale advertised in this issue. He offers bona fide buyers free plane transportation from their airport, and return after sale.

The coming years will offer many innovations in transport, as well as in other fields. In many fields stress of war necessity has brought more development in two years than would normally come in fifty years.

The Cover

DUNLOGGIN Happy Mistress 1802586, bred and developed by Dunloggin, Ellicott City, Md., is just announced by the A. R. office as completing a record of 31,901 lbs milk, 3.7%, 1,168.8 lbs fat, on 3X milking at the age of 5 years, 11 months. She becomes the 341st Holstein in the nation to exceed 1,000 lbs fat and the 194th above 30,000 lbs milk.

In the 3X milking division, she becomes:

1. The second highest fat producer of any breed in the United States, and third highest for the breed in the world.
2. The champion of the breed for milk production in the full aged class.
3. The only cow of the breed to make over 31,000 lbs milk with over 1,100 lbs fat.
4. The only cow of the breed to make two records, one in heifer form, that average over 29,000 lbs milk with over 1,050 lbs fat.

The picture of Happy Mistress on our front cover this time is from an informal snapshot taken by the Dunloggin camera on the 365th day of her 1,168-lb record, at which time she was heavy in calf by Dunloggin Golden Cross.

A daughter of Dunloggin Woodmaster, her dam and granddam were both bred at Dunloggin, although neither has ever been given an opportunity in A. R. test. Her dam is Dunloggin Happy, daughter of North Star Champion, a sire of Moscrip breeding, proven in the Cold Spring herd of H. A. Brace & Sons in Wisconsin and used for a time at Dunloggin. The second dam, Dunloggin Delight, is a daughter of Pabst Prilly American Beauty.

Dunloggin Happy Mistress is a full sister to Dunloggin Gay Mistress, first prize two-year-old at Maryland State Fair 1940. A yearling daughter of Happy Mistress by Confident, is one of the promising young things growing up at Dunloggin.

Mrs. Frank P. Knowles

MRS. FRANK P. KNOWLES passed away, September 28, at 86 years of age. She had continued to make her home at Highlawn Farm, Auburn, Mass, following the death of Mr. Knowles some years ago. She is survived by two daughters.

KIND WORDS FROM SECRETARY WICKARD

To Editors of the American Farm Press:

It is a question whether our wartime food requirements for lend-lease shipment and for our civilian needs this year could have been met without the sustained assistance of the farm press. Cooperation by the farm press will be equally or more necessary next year if we are to achieve the 1943 agricultural production goals to be announced in a few months.

As a farmer and in my present position, I know that the American farm press is an established, informed, and respected source of information and guidance to farm people and their leaders in all of our States and in Washington. In wartime and peacetime the farm press is of dollars and cents value to people on American farms and to those in American urban communities.

All of us are especially thankful for this year's indicated record output of agricultural products in the United States. We are in for a long, hard war. I want to thank the editors and publishers of the farm, livestock, poultry, dairy, and horticultural press for the alert and generous support which they are giving the Department in the most critical time in our country's history.

Claude R. Wickard, Secretary.

NEW STATE LEADERS

Yearly Division

Arizona

		Milk	%	Fat
U of A Posch Maricopa Belle 1831577, C6-2-6 . University of Arizona, Tucson, Ariz. (C.C. 228d)		18069.3	4.0	721.0

Connecticut

Osborndale Ollie Admiral Ormsby 2042722, C2-7-0 ..... Mrs. W. S. Kellogg, Derby, Conn. (C.C. 202d)		14683.0	4.2	610.2

New York

Pebble Beach Nan 1969581 ..... R. A. Backus, Mexico, N. Y.	A3-5-13	20797.1	4.7	967.8

TEN-MONTHS DIVISION

Arizona

		Milk	%	Fat
U of A Posch Maricopa Belle 1831577 ..... University of Arizona, Tucson, Ariz. (C.C. 168d)	C6-2-6	15952.1	4.0	631.4

Michigan

S P S M Miss Othello Butter Girl 1892944 ..... State Prison of Southern Michigan, Jackson, Mich. (C.C 152d)	B4-11-9	24079.7	3.4	807.6

Minnesota

Segis Kappijne Longfield 1913516 ... A. H. Bruce, Northfield, Minn. (C. C. 204d)	C4-5-7	13458.5	3.3	440.1

Nebraska

N S A Margie Quantity Klimax 1844886 ..... Nebraska School of Agriculture, Curtis, Neb. (C. C. 169d) (Also first in state regardless of age in Classification C)	C4-8-16	19212.9	3.6	690.0

North Carolina

Cottonade Arbutus 2014587 ..... William Sutherland, Fayetteville, N. C. (C. C. 174d)	B2-1-21	12216.1	3.6	439.1

Oregon

Hallrose Governor Johanna 1969421 S. B. Hall, Troutdale, Ore. (C. C. 173d)	B3-11-25	19343.0	3.7	721.8

Pennsylvania

Jonabell Diana 2012279 ..... J. A. Bell Jr., Sewickley, Pa. (C.C. 210d)	C2-2-20	10219.2	4.1	418.5

U. S. National Fall Sale

Following the Blue Ribbon Sale on Monday, November 9, which was reported in full detail in our issue of November 21 (with its sensational average of $718), the U. S. National Fall Sale was continued on Tuesday at Waukesha, Wis., and on Wednesday at Watertown, Wis., under the management of Baird & Darcey. The market continued strong both days.

Waukesha Day, November 10

Catalog Analysis

46	Females 2 yrs. & over	$13456	$292.54
8	Bred Yearlings	1690	211.25
2	Open Yearlings	490	245.00
4	Heifer Calves	885	221.25
23	Bulls	5285	229.35
83		$21807	$262.73

Note that the cows averaged $292.54, with all ages showing a very even run. Top price was $510 for the great young show prospect from the C.P.R. Farm, Strathmore, Alberta, purchased by the Minnesota, Artificial Breeding Association, St. Paul, Mnn. Their committee selected four very promising young bulls, in addition to the two bought in the Blue Ribbon. Top price for females was $410 for Tamarac Cora Governor, a Rockwood Farm consignment (Manitoba) purchased by Frank Finkelstein, Hutchinson, Kan. Altogether, seven sold over $400, and 28 over $300.

Largest buyers were Arlington Farms, Inc., Evanston, Ill., who are restocking their new farm after the recent sale of their former establishment to Curtiss Candy Company. They took ten at prices ranging from $250 to $385. Buyers were listed from Minnesota, Kansas, Iowa, Illinois, Michigan and Wisconsin, Mack, Smith and Franklin did the selling, with Baird in charge of announcements.

Watertown Day, November 11

Catalog Analysis

55	Females 2 years and Over	$15102.50	$274.69
1	Open Yearling	140.00	140.00
24	Bulls	4475.00	186.55
80		$19717.50	$246.46

The market at Watertown continued on about the same level, with 55 cows averaging $274.69. Buyers here were principally from Wisconsin, with strong competition also from Delaware, Illinois, Indiana and Alabama. C. B. Moore, Delaware, was one of the largest buyers, taking 10 for $2785.

Top price was $450 for the Elmwood Farm's bull, King Bessie Supreme Pioneer, a son of King Bessie Lyons Supreme out of one of the great Senator daughters at Elmwood from the Calamity Snow family. H. L. Ellis, Eureka, Wis., was the buyer. Top female price was $425, for an A. L. Godfrey consignment, Canary Segis Heilo, a 5-year-old granddaughter of Carnation Sensation. Wisconsin State Reformatory, Green Bay, was the buyer. Five sold above $400. Gene Mack, Red English and Harvey Swartz were auctioneers, with Bill Baird in charge of announcements.

Following are the details of sales above $250 for each day.

Minnesota Artificial Breeding Association, St. Paul, Minn.
(Male) Strathmore Double Prince 143929CHB (11-22-40) $510
(C.P.R. Farm, Strathmore, Alberta)
(Male) King Bessie Senator Fobes Segis 7th 838797 (8-27-41) 410
(H. W. Balbach & Sons, Waterford, Wis.)
(Male) Governor Pearl Ormsby Burke 2d 787503 (12-6-39) 340
(Louis Hess, So. Milwaukee, Wis.)
(Male) Marquette King Veeman De Kol 834018 (9-16-41) 290
(Marquette State Prison, Marquette, Mich.)

Frank Finkelstein, Hutchinson, Kans.
Tamarac Cora Governor 472924 CHB (8-29-40) 410
(Rockwood Farm, St. Norbert, Manitoba)
Ventnor Hazel Tidy Fobes Ormsby 2199192 (11-20-40) 305
(Ventnor Farm, Oconomowoc, Wis.)
Daleford Lila Inka May 481395 CHB (12-15-40) 250
(J. W. Hosford, So. Edmonton, Alberta)

Weaver Witwer, Cedar Radips, Ia.
Ormsby Lass Bess Pontiac 2104050 (9-25-38) 405
(Geo. Weidman, Cedarburg, Wis.)
Sally Fobes Ormsby 1542622 (10-7-31) 315
(George Weidman, Cedarburg, Wis.)
Elmwood Mercedes Fobes De Kol 2016757 (4-17-35) 315
(J. E. Ellis, Franksville, Wis.)

Glenn L. Bancroft, Flint, Mich.
Marquette Mabel Inka 2315436 (3-27-42) 400
(Marquette State Prison)
Marquette Pride Sylvia 2324515 (5-29-42) 250
(Marquette State Prison)

H. J. Wagner, Calvary, Wis.
(Male) Oostie Femco Ideal 852841 (1-4-42) 400
(A. C. Oosterhuis, Oconomowoc, Wis.)

J. F. Thorpe, Delavan, Wis.
(Male) Clover Lawn Inka Sir Prince 848804 (3-5-42) 400

Arlington Farms Inc., Evanston, Ill.
Plus Bessie Zucca 1991744 (5-9-38) 385
(Elmwood Farm, Deerfield, Ill.)
Chestersons Knock Carnation 1950117 (8-2-37) 330
(A. C. Oosterhuis, Oconomowoc, Wis.)
Inka May Rag Apple Posch 1994558 (9-18-38) 330
(Lloyd Kurtz, Hales Corners, Wis.)
Perfection Princess Ollie Burke 1920601 (3-31-37) 330
(Louis Sorenson, Larsen, Wis.)
Perfection Ormsby Jessie Fobes 2010371 (2-13-38) 325
(Louis Sorenson, Larsen, Wis.)
Ventnor Lillie Fobes Ormsby 2129452 (3-12-40) 275
(Ventnor Farms, Oconomowoc, Wis.)
Segis Lass Finderne 391089 CHB (1-8-38) 275
(James Bros., Sarnia, Ontario)
Banostine Rag Apple Maid 443309 CHB 260
Lady Pearl Posch Ormsby 2190501 (8-30-40) 250
(Lloyd Kurtze, Hales Corners, Wis.)
Hansens Rag Apple Margaret (8-6-40) 250
(Harry Hansen, Woodworth, Wis.)

E. A. Hardy, Rochester, Mich.
Hays' Marma Annie De Kol 507157CHB (9-19-41) 385
(Hays' & Co. Ltd., Calgary, Alberta)
Hays' Phyllis Heilo 47907 CHB (11-8-40) 300
(Hays & Co. Ltd., Calgary, Ont.)

H. A. Nelson & Sons, Union Grove, Wis.
Rookwood Vega Palmyra 446901 CHB (1-6-40) 380
(Townsend & Millington & Trappist Fathers, St. Norbet, Manitoba)

Dr. Russell Hering, Grafton, Wis.
Ellis Lucille Bess Crusader 2147247 (10-28-39) 360
(J. C. Ellis, Franksville, Wis.)
Moorebell Colantha Mercedes 379989 CHB (1-1-38) 340
(Geo. Bell, Sarnia, Ontario)
Calamity Echo Hartog Queen 444105 CHB (11-20-39) 275
(James Bros., Sarnia, Ont.)
Pond Gate Della Papoose 2214837 (11-20-40) 250
(Pond Gate Farm, Dundee, Ill.)

Charles B. Moore, Bear, Del.
Donna Bessie Tornadic 1913150 (8-2-36) 350
(Elmwood Farms, Deerfield, Ill.)
Belle Bessie Ormsby Pontiac 1965495 (9-1-37) 300
(Bernard Schoessow, Thiensville, Wis.)
Barron Hilda Fobes 1734499 (6-8-34) 275
(W. H. Barritt & Sons, Barron, Wis.)

C. B. Smith, Pinconning, Mich.
(Male) Spring Farm Pathfinder Pabst 153997 CHB (3-15-42 340
(J. M. Fraser, Streetsville, Ont.)

Richland County Asylum, Richland Center, Wis.
(Male) Oostie Crescent Boy 845810 (11-11-41) 300
(A. C. Oosterhuis, Oconomowoc, Wis.)

G. L. Beaumont, Cowden, Ill.
Abegweit Siren 478816 CHB (11-8-40) 300
(J. Walter Jones, Charlottetown, P.E.I.)

Hogan-Merchant, Waukegan, Ill.
Daleford Mira Inka May 470554 CHB (6-15-40) 300
(J. W. Hosford, So. Edmonton, Alberta)

Clymer Farms, Inc., Hartford, Wis.
Elmoka Royal Beta 2122123 (5-21-39) 300
(W. H. Barritt & Sons, Barron, Wis.)
Hansens Colantha Ruby (8-22-40) 260
(Harry Hansen, Woodworth, Wis.)

Mrs. Herman Merker, Milwaukee, Wis.
Launfal Admiral Piebe Pauline 2079997 (7-30-39) 285
(Brunnquell Bros., Port Washington, Wis.)
Perfection Duchess Ponderosa 1920602 (5-8-37) 286
(Louis Sorenson, Larsen, Wis.)

AT WATERTOWN:

H. L. Ellis, Eureka, Wis.
(Male) King Bessie Supreme Pioneer (1-19-42) 450
(Elmwood Farms, Deerfield, Wis.)

Wisconsin State Reformatory, Green Bay
Canary Segis Heilo 1880582 (1-9-37) 425
A. L. Godfrey, Elkhorn, Wis.)
Sedgland Lady Ormsby Beauty 1921792 (10-14-36) 400
(Sedgwick & Cole, Limeridge, Wis.)

R. E. Meyer, Roselle, Ill.
Florem Inka Lady 1902720 (2-7-37) 400
(Ganahl Dairies, St. Louis, Mo.)

C. F. Carpenter, Hortonville, Wis.:
Ollie Crescent Belmont 2098926 (2-25-39) 400
(H. D. Morgan, Rosendale, Wis.)

C. B. Moore, Bear, Del.
Locustdale Josephine Chieftain 2055742 (12-5-38) 385
(Alfred Bohl, Fennimore, Wis.)
Cold Spring Blossom Dutch Mistress 2043911 (10-12-38) 330
(Charles & Donald Brace, Lone Rock, Wis.)
Bessie Femco Royer 1989723 (12-24-37) 300
(Milford Meadows Stock Farm, Lake Mills, Wis.)
Doty Josephine Fobes 1867157 (9-28-35) 300
(Edwin E. Kruse, Loganville, Wis.)
Claire Ebenezer Homestead 1790863 (2-5-35) 275
(John E. Piper & Sons, Watertown, Wis.)
Ormsby Ada Pride 1744640 (12-27-33) 265

(Continued on page 25)

Would You Like to Have a

"BARN MEETING"

in your neighborhood during the coming winter months?

Be among the first to profit from one of these worthwhile gatherings.

Write today for details and date. First come, first served!

Meetings actually will be held **in the barns** of practical Holstein breeders throughout the nation.

Purpose of them is to help the national Holstein program meet the changes caused by war restrictions on travel.

All who attend are asked to come in their **working clothes.**

Each Holstein breeder is expected to bring a prospective breeder as a guest.

Meetings will be held from 10 a. m. to 3 p. m.—giving you time to get home for the evening chores. A light lunch will be served at noon.

Programs will be planned by the national fieldman in your territory. Among the features will be:

Cattle judging and discussion of show ring placing as compared to official type classification.

Color markings of an undesirable nature.

Feeds and Feeding.

Herd Record Books.

How to avoid errors in transfer and registry applications.

Discussion of the community's Holstein program for 1943.

The *Extension Service*
HOLSTEIN-FRIESIAN
ASSOCIATION *of* AMERICA

Brattleboro, Vermont

NEWS *of the* TRADE

NEW YORK MILK $3.01 FOR OCTOBER

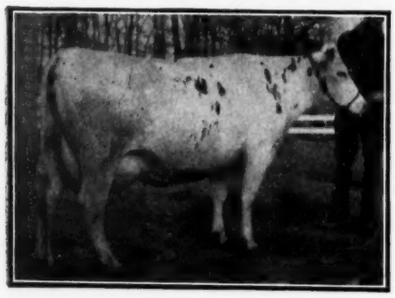
N. Y. Market Administrator C. J. Blanford announces that the October uniform pool price for this market figured out at $3.01 per cent for 3.5% milk at the 201-210 mile zone. The farm value was $14,954,077.93, shared by 56,189 producers. This number is down 2,457, about a third of which is accounted for by shifting of eight plants to supply other markets. Average production per dairy is up 16 lbs., or 6.3% from the previous year. A controversial issue is the recent order of Secretary Wickard eliminating diversion payments. Originally intended to relieve pressure on the fluid market, that need is now obviously less.

449-LBS AT S.P.S.M.

The 168-cow herd at the State Prison of Southern Michigan, Jackson, has recently completed its fifth consecutive year on Herd Test with an average production of 449.5 lbs fat and 13,591 lbs milk on 3X milking. The highest producer in the herd was S. P S M Miss Othello Butter Girl 1892944, a 5-year-old that made 765.1 lbs fat and 20,912 lbs milk. The 5-year average of this large herd is 454 lbs fat for 151 cows.

DESIGN'S 100th DAUGHTER

The 100th daughter of Dunloggin Design arrived at Overbrook at 6 a. m. November 23, 1942, just four days before her sire became six years old. Mark Keeney, in reporting this good news by, "Tela-Bull - Tela-Dam," writes that the dam of Design No. 100 is none other than Essex Dandy Rainbow Belle, classified Excellent and with two records above 700 lbs fat, a daughter of North Star Jim Dandy from Essex Suzone April Belle (V.G.) whose life record to date is 208,756 lbs milk, 6,994.6 lbs fat. Rainbow Belle is a twin sister to Essex Dandy Sunrise Belle (V.G.), who recently finished a lactation with 837 lbs fat on 3X. Both twins have now exceeded the 70,000-lb mark for life production to date at barely seven years, both having completed four lactations.



ESSEX DANDY RAINBOW BELLE (Ex.)
Dam of the 100th daughter of Dunloggin Design, just born at Overbrook.

GEORGE WEIDMAN
His herd again led all others in Wisconsin DHIA for 1941 with an average of 589 lbs fat.

WISCONSIN'S TOP HERDS

According to Glen Vergeront, Extension Dairyman at the Wisconsin College of Agriculture, Wisconsin's No. 1 champion dairy herd being tested in DHIA is composed of registered Holsteins owned by G. J. Weidman of Cedarburg, Wis. The Weidman herd consisted during the testing year of 11 head which averaged 589 lbs fat, the highest herd production recorded by any Wisconsin herd, regardless of breed, in DHIA work during 1941.

A few other registered Holstein herds followed closely behind Weidman according to Vergeront's report. The Milwaukee County Institutions, Herd No. 4, with 10 cows in milk, averaged 559 lbs fat. The herd of Herbert Lepien of Hartford, Wis., showed an average production of 537 lbs fat for 14 head.

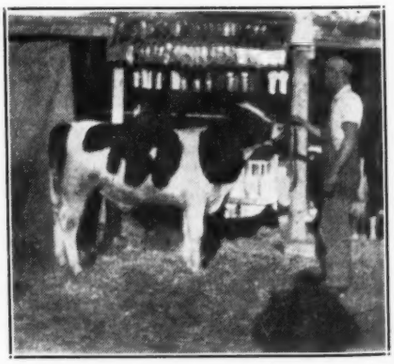
1073.6 FAT AT CARNATION

Another daughter of Matador Segis Ormsby has just completed a 1000-lb fat record at Carnation Farms, Seattle, Wash. She is Carnation Ormsby Piebe Parthenea 187-1442, the 342d Holstein in the nation to go over the 1000-lb fat mark in a year, and the 195th to produce more than 30,000 lbs of milk. She was on Class A test, starting at 5 years and 7 months of age, and in 365 days made 1,073.6 lbs fat and 30,991 lbs milk. Her dam is Carnation Inka Piebe De Kol 1165194, a daughter of Sir Inka May with 1035.6 lbs fat and 31,764.2 lbs milk as a 5-year-old.

"PIETJE B" MADE EXCELLENT

A recent official classification of all the animals in the Creston Farms herd of Martin D. Buth & Sons, Comstock Park, Mich., which have become eligible since the last classification in April, adds another Excellent to their long list. Inspector Schaefer of Wisconsin gave this top rating to Montvic Bonheur Pietje B, found three others Very Good, two Good Plus, and one Good. Three of these animals were two-year-olds bred at Creston Farms and the other four were purchased additions to the herd since last April. The seven head made an average score of 85.4.

This is the fourth official classification of the Creston herd, in which there have been a total of 17 animals rated Excellent, and 28 Very Good. Adding the newly rated animals to those in the herd in May gives a total of 10 Excellent, 16 Very Good, 17 Good Plus, 5 Good, an average for 49 head of 84.8 points, or halfway between Very Good and Good Plus. Few herds of any size can equal the average type rating of this one.



PRINCE SNOWBALL VEEMAN
A fairgrounds picture of an undefeated blue ribbon winner at three county fairs, purchased recently by Rintha Church, West Haverill, N. H., from Starkey Farm, Keene, N. H.

CORNELL OLLIE CATHERINE
As she looked November 11, the day before her heifer calf was born. She will be 13 years old Christmas day.

PANSY BURTON DE KOL BURKE
Nominated for All-American three-year-old, this heifer recently finished a junior three-year-old record of 646.8 lbs fat with 4.1% test on 2X. Owned by Harvey A. Nelson & Sons, Union Grove, Wis.

CATHERINE DISAPPOINTS THE BOYS

Cornell Ollie Catherine, famed 1,152-lb fat All-American Aged Cow at Cornell University, disappointed quite a group of breeders from several eastern and mid-western states who had hoped for an opportunity to bid on her bull calf in the coming Earlville Invitational Sale. She calved November 12 with a lovely heifer calf, just in time for the Nov. 21 **World** deadline in which she was to have been featured with the Invitational Sale display. Plans had been made by Dr. E. S. Harrison, who is in charge of the Cornell dairy herd, to enter her calf, if a bull, (by the Gold Medal "Neptune" sire) and sell him by "remote control" for delivery next spring, with Cornell assuming the risk of raising him. In addition to the several New York State breeders interested in this calf were others from three mid-western states and one southern state, which would have made it a battle royal in the Earlville ring.

"Catherine," in the opinion of many well known breeders, including some working with other breeds, is the greatest living cow of any breed. She tipped the scales at 1,875 pounds five days before she calved. She will be 13 years old on Christmas day, 1942, and the accompanying photo, snapped in the Cornell barn the day before she freshened, shows how well she has withstood the ravages of time. Dressed all up for ring competition she could still hold her own with current All-Americans.

ONLY ONE

Beverly Solem, Hillsboro, Wis., has the distinction of being the only girl ever admitted to membership in the Future Farmers of America. Miss Solem owns eight registered Holsteins and is the daughter of Ed Solem. Both she and her father are members of The Holstein-Friesian Association of Wisconsin. Also, both are members of the national Association, he as a life member, and Beverly as a junior member. Beverly was an exhibitor of Holsteins at the 1942 Wisconsin State Fair.

"CAPPER" FRESHENS AGAIN

Carnation Ormsby Madcap Fayne, World's Champion milk producer, who last May completed a year's record of 41943.4 lbs. milk, freshened November 7, at Carnation Milk Farms with a lusty son by Governor of Carnation. It is being named Carnation Yankee Doodle Dandy, the name having been selected by the Broadway Cow Lovers League of New York City in a contest staged by the Carnation Company. His full brother, Carnation Governor Madcap, is doing a sensational job as a sire in the herd of Dunbar & Middleton, Colfax, Indiana.

CARNATION, WASHINGTON — This handsome little black and white bull calf, Yankee Doodle Dandy, most valuable calf in the world, was born recently on the Carnation Milk Farm near Seattle.

Here he is shown with his famous mother, Carnation Ormsby Madcap Fayne, all-time world champion milk producer. Last May she broke all production records with the figure of 41,943.4 pounds of milk, an average of 58 quarts a day, in one year. Her year's production equaled that of nine ordinary cows.

Pixpage has released generally to the press the following mat, showing a picture of the Champion and her baby son.

A-A NOMINEE MAKES RECORD

Just too late to be included in the advertisement of Harvey A. Nelson & Sons, Union Grove, Wis., in our Nov. 21 issue, we received a letter from Mr. Nelson stating that their nominee for All-American three-year-old, Pansy Burton De Kol Burke, has just completed a junior three-year-old record of 646.8 lbs fat with 4.1% test in 365 days on 2X milking and with ordinary farm care. She will be remembered as first prize three-year-old and grand champion Wisconsin female at Wisconsin State Fair this fall.

Mr. Nelson also writes that they have recently purchased a half interest in the sire of this great heifer, Sir Pansy Beets Ormsby Burke 729720. He is a son of Sir Pansy Bess Burke, well proven in the St. Croix County Asylum herd, and is from one of the highest record cows ever developed at St. Croix, Buttercup Beets Ormsby with 991.4 lbs fat, 4% test. His dam and sire's dam, both with records above 960 lbs fat, average 975.8 lbs fat from 24,752.3 lbs milk and his fifteen nearest dams average over 852 lbs fat. The Nelsons were also fortunate in being able to secure another daughter of this sire, Skylark Pansy Fobes. The sire is getting a nice start toward proving in DHIA, his daughters thus far raising production over their dams by an average of 60 lbs fat.

Hopp Dispersal Averages $325

Catalog Analysis

49	Females 2 Yrs. & Over	$18865	$385.00
1	Bred Yearling	330	330.00
16	Open Yearlings	3605	225.31
8	Heifer Calves	1330	166.25
5	Bulls	1620	324.00
79	Head Sold	$25750	$325.95

The purebred Holstein herd of Frank W. Hopp, Elgin, Ill., founded over 30 years ago, was well appreciated when it passed through the auction ring before a large crowd of interested breeders on November 18, with the above very pleasing results. Prices ranged to $1025, with two others above $600; two from $500 to $600: 14 from $400 to $500 and 25 from $300 to $400. Cow testing records were credited to 40 of the 49 females over 2 years of age, and these sold for the excellent average of $394.62. Included in the offering were 11 daughters of Montvic Colanthus Abbekerk, an "XX" son of Johanna Rag Apple Pabst and full brother of Montvic Rag Apple Colantha Abbekerk (1263-lb. world champion on 3X); 18 daughters of Fobes Beautymore Ormsby, an intensely Admiral bred former herd sire and several daughters of Inka Homestead Prince, a Pabst-bred bull formerly in service.

The 11 daughters of Montvic Colanthus Abbekerk sold for a total of $5330, and included the top price of the day, $1025. Herman Yurs, Elgin, Ill., paid this figure for Bonus Lea Abbekerk Beauty, a 4-year-old with 472.8 lbs. fat in CTA to her credit. Two other daughters of the Montvic Colanthus bull went along with her, as well as eight others of the tops, for the foundation of a small select herd which Mr. Yurs will maintain on the Hopp property. His purchases totalled $4660.

Top of the bull section was paid for Rowsdale Realization 855520, 6-year-old proven senior herd sire, who went to Joe Susina, Elgin, Ill., on his bid of $625. This bull is a son of Springbank Expectation (Montvic Rag Apple Pietje and Springbank Snow Countess, 1125 lbs. fat) and out of Pontiac Keyes DeVries, 711-lb. fat daughter of Pontiac Dutchland DeVries (1049 lbs,. world's record on 2X).

The cattle for the most part remained in the home state, with six head going to Bernard Detrick, Tipp City, Ohio, for a total of $1470, six head to Bernard Bros., of Arlington Farms, Inc., of Wisconsin, at $1770.

Auctioneers were J. E. Mack, Ft. Atkinson, Wis.; C. B. Smith, Pinconning, Mich.; Francis Darcey, Watertown, Wis., and Harvey Swartz, Waukesha, Wis. W. L. Baird, Waukesha, was in the box, and Gene Halbach, Waterford, Wis., was leadsman. The sale was under the management of Baird & Darcey.

Following is a list of the animals selling at $250 and up, and their new owners:

Herman Yurs, Elgin, Ill.:
Bonus Lea Abbekerk Beauty 2023257 (3-18-38) $1025
Bonus Lea Abbekerk Fobes 2023256 (3-8-38) 490
Lady Admiration Abbekerk 2140554 (12-1-39) 450
Fobes Pauline Wayne 1841281 (5-10-35) 400
Uncatalogued entry 390
Butter Girl Bess Ormsby 2307170 (9-9-41) 375
Warford Bess Burke Fayne 2d 2014171 (3-13-38) 360
Princess Pontiac Lady Ormsby 2079389 (12-6-39) 340
Lilith Montvic Inka Fobes 2249837 (7-21-41) 320
Fobes Vera Ormsby 2307171 (11-8-41) 300

J. P. O'Connell, Chicago, Ill.:
Bonus Lea Bess Abbekerk 2041408 (9-21-38) 660
Sylvia Korndyke Homestead Inka 2215443 (11-30-40) 330

Joe Susina, Elgin, Ill.:
Male, Rowsdale Realization 855520 (10-1-36) 625

White Oak Farm, Bartlett, Ill.:
Lilith Fobes Colantha 2d 1995734 (4-2-38) 525

A. G. Matzin, McHenry, Ill.:
Bonus Lea Ormsby Tiny 2097411 (11-28-38) 500
Bonus Lea Colanthus Fobes 2097412 (3-8-39) 400
Bonus Lea Daisy Wayne 1938615 (2-9-37) 335

C. H. Will, Chicago, Ill.:
Bonus Lea Abbekerk Piebe 2023259 (3-31-38) 475

A. J. Butz, Kankakee, Ill.:
Colantha Fobes Pauline De Kol 1908171 (7-2-35) 400

Raretime Farms, Kankakee, Ill.:
Bonus Lea Abbekerk Fayne 2076012 (7-1-39) 425
Lady Flora Fobes Ormsby 2126810 (6-18-39) 400

Rudolph Olson, Chicago, Ill.:
Della Fobes Homestead Segis 2215440 (1-7-40) 430
Bonus Lea Homestead Iva 2097410 (11-1-38) 380

Hill-Man Farm, Rockford, Ill.:
Edith Ormsby Beautymore 2066733 (3-30-39) 400

Bernard Detrick, Tipp City, Ohio.:
Colantha Rag Apple Fobes Abbekerk 2321390 (3-5-40) 410
Princess Fobes Ormsby Pontiac 2055966 (12-15-38) 280
Lilith Fobes Colantha Homestead 2215442 (9-12-40) 305

(Continued on page 25)

Shy BREEDERS are Costly Boarders

READ HOW 100 DAIRYMEN CHANGED THEIR BOARDERS INTO "MONEY" COWS

GET THIS POSITIVE PROOF THAT REX WHEAT GERM OIL SETTLES MOST SHY BREEDERS . .

A. G. P.
Saratoga Springs, N. Y.
I had two cows that we had bred several times but were unable to get them with calf. After using your REX Wheat Germ Oil both cows settled and delivered normal healthy calves.

L. R.
Rocky Ford, Colo.
We have one registered Guernsey cow which was dry more than a year and conceived at the first service after using REX Wheat Germ Oil. We have used it on a number of other cows that we think have responded properly to its use.

V. S.
Northborough, Mass.
I have used REX Wheat Germ Oil with five cows that would not settle. With one of these there were no results. The other four cows reacted promptly, and the results were completely satisfactory.

R. H. A.
Webb, Miss.
I gave REX Wheat Germ Oil to my senior herd bull who had become so lazy and slow. I am delighted with the change the Wheat Germ Oil made in this animal. He is as vigorous as a much younger bull.

Full names and addresses on file in our office.

SAVE that cow for your country and for yourself. Give her a chance to produce a calf. Give her REX Wheat Germ Oil on her feed. No muss—easy to feed.

USE REX OIL THIS WAY

Between heat periods give the cow or heifer one ounce of REX Oil each week. Breed her, then continue to give one ounce a week till next heat period. If she does not settle first time she will settle on second service. This simple treatment works unless the cow has some organic trouble.

TRY REX OIL ON SLOW BULLS

REX Wheat Germ Oil works because it contains factors that act favorably on reproduction. It does not spoil and does not require refrigeration. Send the coupon below for free copy of 100 breeder reports.

Order REX Oil Today—Don't wait, start using REX Oil right away. Get it from your druggist or feed dealer or direct from this ad. Prices, Pints, **$3.50**; Quarts, **$6.00**. We pay postage.

VioBin Corp., 12 Oak St., Monticello, Ill.

VioBin Corp. 12 Oak St., Monticello, Ill.
Please send Free Rex Newspaper. Find check or M.O. enclosed for $..... for ☐ 1 pt. REX Oil $3.50; ☐ 1 qt. REX Oil $6.00.

Name.....

Address.....

.....

Garden Spot Sale

Catalog Analysis

40	Females 2 Years and Over	$11415.50	$285.38
1	bred yearling	195.00	195.00
3	bulls	380.00	126.66
44		$11990.50	$272.51

Transferred to a new location, this fifth in the series of sales managed by the Pennsylvania Federation of Holstein-Friesian Clubs, and R. Austin Backus, proved to be an outstanding success. Held at the farm of C. M. Brubaker, Willow Street, just out of Lancaster, in the heart of the "Garden Spot", the series will now be known as the Garden Spot Sales.

This sale was made up mostly of cows, selected from a number of good Pennsylvania herds, together with some choice Canadian consignments. The cows made the fine average of $285.38, and the even quality is indicated by the fact that top price was $375. Honor of topping the sale went to J. Wilmer Heisey, Mt. Joy, Pa., with Maude Clover King, a 6-year-old with a 4-year-old CTA record of 484 lbs., for whom John H. Shirk, Lititz, Pa., paid $375. Mr. Shirk also paid $365 for a sister of this cow, consigned by Mr. Heisey. One of the Canadian contingent also made the $365 mark, this being a granddaughter of Abegweit Pluto, purchased by John C. Metzler, Christiana, Pa. Lilith Howtje Piebe, a 3-year-old from the well known herd of A. L. Bowell, Thompson, Pa., went at $355 to Clayton E. Kreider, Quarryville, Pa. A double granddaughter of Dutchland Colantha Denver King, from the herd of Frank Resseguie, sold for $360 to Arthur H. Stockhouse, Yardley, Pa. Altogether, 14 sold above the $300 mark. Pennsylvania and New Jersey buyers absorbed the whole offering. Plans are being made to continue the series.

Following is the list of buyers with details of animals selling above $250:

John H. Shirk, Lititz, Pa.
Maude Clover King 1916041 (8-16-36) $375
(J. Wilmer Heisey, Mt. Joy, Pa.)
G S Ormsby Rose Marie 2000639 (1-6-38) 365
(J. Wilmer Heisey, Mt. Joy, Pa.)
Dutchess Pluto Pabst 471195C (7-22-40) 280
(M. E. Wood, Ameliasburg, Ont.)
Korndyke Lulu Colanthus 2261571 (9-20-40) 265
(J. Mowery Frey, Lancaster, Pa.)

John C. Metzler, Christiana, Pa.
Pluto Pietje Rhoda 439214C (9-1-37) 365
(J. S. Sibbit, Kingston, Ont.)

Arthur H. Stackhouse, Yardley, Pa.
Cornucopia Konigen Denver Walker 2194058 (10-6-37) 360
(Frank Resseguie, So. Gibson, Pa.)
Cornucopia Piebe Denver (1-14-39) 300
(Frank Resseguie, So. Gibson, Pa.)
Champion Sylvia Pontiac 434293C (5-5-39) 265
(Joseph Slack, Lansdown, Ont.)

Clayton E. Kreider, Quarryville, Pa.
Lilith Konigen Piebe 2064364 (1-6-39) 355
(A. L. Bowell, Thompson, Pa.)
Wye Oak Miss Korndyke 4th 1844262 (8-24-34) 295
(Elvin Hess, Strasburg, Pa.)

Harold K. Book, Konks, Pa.
Pontiac Hengerveld Plus 45535C (2-21-40) 350
(Adam Frisken, Selby, Ont.)
Julie Cornucopia Posch 417882C (4-8-39) 300
(Percy Hodgins, Selby, Ont.)

C. Paul Lied, Sinking Springs, Pa.
Uncatalogued entry 335
(R. Austin Backus, Mexico)
Esevelem Vera Dutchland Admiral 2168507 (1-22-40) 290
(F. E. Olver, Honesdale, Pa.)

Paul L. Denlinger, Lancaster, Pa.
Otonabee Toitilla Nigga 479228C (11-11-40) 320
(J. T. Tully, Peterboro, Ont.)

H. M. & M. B. Emig, Hellam, Pa.
Jean Sensation Keyes 417883C (4-11-39) 305
(Percy Hodgins, Selby, Ont.)

Amos H. Mellinger, Strasburg, Pa.
Plus Mechthilde Francy 470905C (3-31-40) 305
(Adam Frisken, Selby, Ont.)

A. S. Kriebel, Hereford, Pa.
Spofford Mercena Clyde (4-22-40) 300
(J. B. Bardley & Son, Easton's Corners, Ont.)

John H. Landis, Lititz, Pa.
Sunny Creek May Blossom 432004C (4-12-39) 295
(Wm. T. James, Balderson, Ont.)
Pontiac Mercedes Verna 403531C (3-8-38) 250
(W. J. Clark, Gananoque, Ont.)

J. Ellis Landis, Lancaster, Pa.
Ella Alcartra Pabst 467455C (5-24-40) 290
(M. E. Wood, Ameliaburg, Ont.)

Lauxmont Farms, Wrightsville, Pa.
Yarba Thyrsa Sensation 1752692

(Continued on page 22)

Last Call

FOR EARLVILLE

DECEMBER 9

The Invitational Sale

DECEMBER 10

The 150th Anniversary Sale

We're celebrating the passing of another milestone at Earlville with the greatest 2-day event we've ever held—selections from the best herds in eight eastern states and Canada, featuring the 60 hand-picked selections of Dr. E. S. Harrison of Cornell for our INVITATIONAL sale offering.

For more details please see our 24-page advertising section in the last issue of the **World.** Train and bus schedules are listed there. Mail, wire or telephone bids may be made to the Sale Manager (phone **Earlville 10**), or for animals in the Invitational Sale, to **HOLSTEIN-FRIESIAN WORLD,** Lacona, N. Y.

R. AUSTIN BACKUS — Sale Mgr. — MEXICO, N. Y.

(Address at Earlville, N. Y. Until After the Sale)

North Central Kansas Sale

Catalog Analysis

25	Females 2 Yrs. & Over	$4720	$188.80
3	Bred Yearlings	700	233.33
1	Open Yearling	145	145.00
4	Heifer Calves	480	120.00
18	Bulls	2670	148.33
51	Head Sold	$8715	$170.88

G. R. Appleman's two-day sale at Washington, Kansas, on October 29 and 30 (following the dispersal of the Woodlawn herd at Lincoln, Neb.) provided some great bargains for Kansas and Nebraska breeders in attendance. Fifty-one registered Holsteins, featuring the blood of the noted Meierkord Silver Medal sire, Fredmar Sir Fobes Triune, brought a total the first day of $8,715 for a general average of $170.88. Of these 51 animals it should be noted that 18 were young bulls, selling for an average of $148.33. The top bull brought $250, Meierkord Triune Supreme Rose, a double grandson of the "Triune" bull from a "Very Good" 545.5-lb. fat daughter. Number one in the catalog was the October bull calf, another "Triune" double grandson that was a star member of the North Central Kansas District show herd which made an extended state fair circuit this fall. Had it been known at the sale that he was to be nominated for All-American bull calf, it is doubtful if John Errebo of Vesper, Kansas, would have kept him for only $180.

The top price of the sale was $405 for another show winner, the senior yearling, Ruth Johanna Supreme, consigned by Mike Schroll of Greenleaf, and purchased by Leroy Johnston of Marysville, Kans., who took four head for a total of $1,040.

The 25 females 2 years and over (making up half of the sale offering) averaged $188. The entire offering went to 31 Kansas buyers and five from Nebraska. The second day sale consisted entirely of grades and they made the excellent average of $152.35 for 51 head. Five brought over $200.

This year's average compares with an average last year of $145.

The buyers include the following from Kansas:

John Errebo, Vesper; Emil H. Petsch, Herkimer; Vincel Kling, McPherson; Floyd R. Palmer, McPherson; E. E. Moberly & Sons, Concordia; LeRoy Johnston, Marysville; Phillips Bros., Manhattan; Ernest A. Reed & Sons, Lyons; Martin Blanke, Bremer; John V. Elam, Winfield; Reuben Parish, Ruleton; Carl F. Pfiefer, Salina; H. J. Meierkord, Linn; O. W. Pierson, Morganville; E. C. Breckenridge, Ajenda; L. C. Swayer, Glasco; Paul Frederickson, Concordia; Robert Appleman, Linn; O. R. Cunningham, Formosa; A. J. Wempe, Frankfort; Schneider Bros., Salina; Wm. Rogers, Alta Vista; Carrol O. Carlgren, Concordia; Albert Riechers, Green; Ed. Petersen, Waterville; Carl Petersen, Waterville; Milo Johnson, Scandia; Louis Zabokrtsky, Washington; Wieland Bros., Clay Center; Grover Meyer, Basehor; Von Lehe, Linn.

Also, from Nebraska: J. M. Peck, Falls City; H. H. Hoffmeyer, Deshler; Alfred T. Penner, Beatrice; Dewey Hohensee, Daykin; Herman Epp, Plymouth.

OWANDA'S Son by SENATOR Just Turned a Year Old

RAVENGLEN SENATOR OWANDA
Born Nov. 14, 1941

Ready for immediate service, he has made a lot of development since the above picture was taken early last summer. He has grown out into a yearling you can be proud to show to visitors.

Sire — KING BESSIE SENATOR

Five times All-American and now nominated for the sixth time after another season as undefeated grand champion. Also proving himself a distinguished sire of production with good test.

Dam — PLUS BESSIE OWANDA

At 4y — 365d — 3X — 22132.3 M. 781.2 F.
At 3y — 365d — 4X — 19761.7 M. 716.8 F.

Daughter of King Bessie Plus from a 795-lb fat daughter of the All-Time All-American senior yearling, King Bessie Ormsby Pride; next dam that grand old brood cow, June Segis Fobes (864 lbs fat on 3X).

GOOD RECORDS AND GREAT COW FAMILIES PREDOMINATE
On Both Sides of his Pedigree
SEND TODAY FOR PEDIGREE AND PARTICULARS

Ravenglen Farms

E. H. RAVENSCROFT, Owner
Address Correspondence to
R. A. ARNOLD **Antioch, Ill.**

GARDEN SPOT SALE

(Continued from page 21)

(10-28-33) 280
(Earl S. Groff, Strasburg, Pa.)
Isaac Hershey, Jr., Paradise, Pa.
Uncatalogued entry 275
(R. Austin Backus, Mexico)
Noah E. Denlinger, Paradise, Pa.
Lake Side Segis Denver 1771601 (9-14-34) 275
(Thomas Olver, Honesdale, Pa.)
Female (12-30-38) 260
(Robert M. Decker, Waverly, Pa.)
Harold R. Ziegler, Breinigsville, Pa.
Tillie Ormsby Modelyn 2189037 (2-7-40) 275
(W. J. Bavey, Beach Lake, Pa.)
A. Roy Landis, Lancaster, Pa.
Otonabee Francy Pabst 475367C (9-28-40) 260
(J. T. Tully, Petersboro, Ont.)
Christian Hiestand Jr., Bainbridge, Pa.
Flo Colantha Matchless 443965C (11-20-39) 250
(Earle Weese & Sons, Carrying Place, Ont.)

Other buyers, also from Pennsylvania, were: J. P. Thompson & Son, Christiana; Earl Yohn, Narvan; Hoffer Kaylor, Lebanon; Daniel B. Saltzfus, Elverson; Joseph M. Walzemuth, Mt. Joy; S. H. Saltzfus, Joanna; Elam Zook, Elverson; A. G. Brubaker, Myerstown; Elmer Stoltzfus, Elverson; Noah W. Krieder, Manheim; H. F. Brubaker, Lancaster; Ira L. Hess, Willow Street; Willard F. Matthews, Stouchburg; Edwin H. Myers, Bareville; Wm. H. Huntzer, Wimelsdorf, and Floyd H. Ridgeway of Woodstown, New Jersey.

"That's not a bad fellow Maisie's hooked."

"You should have seen the one that got away."

$260 KIEFFER SALE AVERAGE

The John Kieffer dispersal, Auburndale, Wis., October 26, brought a total of $16,655 for 64 head, for a general average of $260. The list of buyers includes breeders from Illinois, Minnesota, Ohio, and North Carolina, in addition to Wisconsin. Forty-eight females over one year old averaged $299.48, with a top price of $590 on Elmwood Admiral Mila Fobes, purchased by Kenneth McDannel of East Canton, Ohio. This was one of the animals consigned by George Kieffer of Auburndale. The second high price was $555 for Fayne Canary Belle Homestead, purchased by George T. Miller of Antigo, Wis. John Wuethrich, Greenwood, Wis., bought Elmwood Admiral Abbekerk for $525. Nine head sold for $400 or over. Eleven females under one year of age averaged $126, and five bulls averaged $178.

The Society of the Divine Word, Techny, Ill., were the largest buyers, purchasing 10 head for an average of $252. Harry Makes, Alma, Wis., bought nine head for an average of $264. Further details on this sale will be published after analysis of a marked catalog has been made.

PLAINVIEW FARM DISPERSING

Because of the acute labor shortage the entire milking herd and much of the young herd at the well-known Plainview Farms, Sutherland, Iowa, is to be sold at auction at the farm, Wednesday, December 16. Owner-manager Orr G. Watson writes that he and his wife find it impossible to farm the three quarter sections and milk 50 cows without assistance.

Seventy-four head are listed for the sale, including 30 registered and 10 grade Holsteins milking heavily, and 20 registered and 10 grade fresh or springing heifers. This herd is one of the best in the northwestern Iowa, both for production and records of the District Black and White Show winnings. Every animal born on the farm since 1936, has undergone calfhood vaccination and the herd is T. B. Accredited.

Jack Halsey of Des Moines, and Bud Lyman of Cherokee, Iowa, will auctioneer the sale.

REGISTRIES AND TRANSFERS SHOW GAIN

Registry applications for the first ten months of the year are up 6 per cent as compared with last year; transfer applications are up 10.9 per cent and membership is up 22 per cent.

Certificates of registry and transfers issued during October put New York in the lead, in both divisions, followed by Wisconsin and Pennsylvania.

COW HEALTH COMES *First* IN FEEDING

Your first duty to your cows is to protect and sustain their health. It is normal and natural for them to be healthy—and the first and most important aim of good feeding and good management is to keep them that way.

That's why you cannot afford to take chances with inferior rations. Poor quality feed can cause certain deficiency diseases. It can interfere with the normal functions of the reproductive organs. It can cause impaction in the rumen or scouring—and actually prevent a cow from attaining her normal milk yield.

Larro Dairy, on the other hand, helps you avoid such troubles, builds up each cow's strength and vitality, thus helping her resist and overcome the results of infection. It provides nutritional factors she needs to develop and deliver a healthy calf—and maintain thereafter a milk yield in accord with her inherited ability.

Discuss this with your Larro dealer — and also write us for a free copy of the Larro Dairy Book. It tells you the complete story of the Larro Feeding System—and all it can mean to the health of your cows and to your peace of mind as a dairyman who wants to know his herd is on a safe, sound feeding program.

GENERAL MILLS, INC.
Larrowe Division
Dept. U **Detroit, Michigan**

Larro DAIRY
"Farm-tested"

20% A milk producing, fitting and freshening feed | **16%** For use with high protein roughage | **32%** For use with home grown grains

A Report on DUNLOGGIN DESIGN

The Only Excellent—Gold Medal—1000 lb. Index Sire

His 100th Daughter Has Arrived at Overbrook

A TYPICAL DESIGN DAUGHTER

ESSEX MOOIE ANNA DESIGN
Classified Very Good
At 2y3m on 3X—
332d — 16485 M. 602.1 F.
Will finish with 645 F., 3.7%

THE DAM OF DESIGN

BONHEUR RAG APPLE MOOIE
3y — 3X — 20402 M. 4.0% 810.2 F.
5y — 3X — 20700 M. 4.1% 855.5 F.
DESIGN is a son of **WOODMASTER** from the above great Rag Apple Della dam, with 855 lbs fat, 4.1% on 3X.
True to his superlative ancestry, DESIGN has now proved himself one of the **Top Sires of All History.**

Cedar Grove, N. J.
November 20, 1942

Not yet six years old, DESIGN already has 100 daughters—all bred at Overbrook—with 40 now milking and every one a good one. The first 18 of them to freshen have completed their 3X two-year-old records.

HERE'S THE TOP EIGHT DESIGN DAUGHTERS

BERTHA—G.—	2½y	— 3X —	20483 M.	736.4 F.	3.6%
FAIRY—V. G.—	2y	— 3X —	20164 M.	687.5 F.	3.4%
RAG APPLE—G. P.—	2y	— 3X —	19191 M.	677.5 F.	3.5%
JEWEL—G. P.—	2y	— 3X —	17553 M.	673.0 F.	3.8%
CANARY—G. P.—	2y	— 3X —	18448 M.	656.9 F.	3.6%
HOLLY—G. P.—	2y	— 3X —	16363 M.	655.0 F.	4.0%
SEGIS—V. G.—	2½y	— 3X —	14749 M.	645.1 F.	4.4%
WANDA—G. P.—	2y	— 3X —	17589 M.	636.7 F.	3.6%
Average	2y 4m	— 3X —	18067 M.	671.0 F.	3.7%

The top 16—out of the first 18 to freshen—average—

611.7 Lbs Fat on 3X

The other two both made over 400 lbs fat, with very much misfortune. Please note not only the good test and fat production, but also the heavy milk flow.

SUCH ARE THE DESIGNS

The Only Sire
Ever to Hang UP
an OFFICIAL 1000-Lb Fat Index
In Herd Test

You know we test them all in Herd Test.

While some may not agree—still we consider WOODMASTER and DESIGN as great a proven Sire and Son as are in Service today.

Overbrook Dairy

ESSEX COUNTY HOSPITAL

M. H. Keeney, Supt. of Dairy

Cedar Grove, N. J.

We're In!

We have now passed our goal of a ten-year herd average above 500 lbs fat each year on 75 cows.

Thanks to the DESIGNS

Our 1942 herd average will surpass any average previously recorded by us and set a new high mark for herds of over 50 head.

WATCH FOR ANNOUNCEMENT

Special Christmas Offer

A MARVELOUS FOUNDATION YOUNG HERD
We will Sell — "Not More than Ten" — Heifer Calves
PRICED FROM $250 to $500 EACH

No Matter where you may go or what you pay, you cannot buy Better Heifers than these that we will offer.

Write or Wire Your Reservation

U. S. NATIONAL FALL SALE

(Continued from page 16)

(Lloyd E. Gross, Knapp, Wis.)

Howard Home Farm, Whitewater, Wis.
Locustdale Onyx Chieftain 2185161 (11-28-39) 375
(Alfred Bohl, Fennimore, Wis.)

Arthur Puls, Allenton, Wis.
Aaggie Parthenea Evergreen 1891214 (3-8-36) 305
(H. W. & W. H. Haberman, Monroe, Wis.)
Pietje Lyons Canary 1858858 (10-9-35) 280
(A. L. Godfrey, Elkhorn, Wis.)

H. Lehner, Oconto Falls, Wis.
Sprechlyn Wayne Gladice 2107034 (3-20-38) 305
(Christian L. Sprecher, Plain, Wis.)

J. H. Smith, Crown Point, Ind.
Locustdale Prospect Chieftain 2055739 (11-16-38) 305
(Alfred Bohl, Fennimore, Wis.)
Jane Aaggie Fobes Ormsby 2005663 (1-14-38) 290
(Chas. Jones, Dodgeville, Wis.)
Cold Spring Carnation Belle 1818530 (12-22-33) 260
(Chas. & Donald Brace, Lone Rock, Wis.)

Hornung Brothers, Lodi, Wis.
(Male) King Cascade Mercedes 848438 (11-10-41) 295
(W. R. Lang, Watertown, Wis.)

S. C. Stanchfield, Fond du Lac, Wis.
Sunshine Freckles Bessie 2110511 (8-21-38) 285
(David Bogue, Portage, Wis.)

Alvin Haas, Beloit, Wis.
Locustdale Princess Progressor 1981598 (9-23-37) 280
(Alfred Bohl, Fennimore, Wis.)
Locustdale Priscilla Progressor 1918285 (8-16-36) 250
(Alfred Bohl, Fennimore, Wis.)

McKenstry Farm, Woodstock, Ill.
Korndyke Homestead Castor 2096791 (1-22-39) 270
(Theo Bayrhoffer, Monroe, Wis.)

Alex Locker, Florence, Ala.
Godfreys Marto Ormsby Goldie 2038319 (1-4-39) 260
(A. L. Godfrey, Elkhorn, Wis.)
Godfreys Marto Ormsby Green Tulip 2037131 (9-5-38) 250
(A. L. Godfrey, Elkhorn, Wis.)

G. Griesmer, Beaver Dam, Wis.
Bluff View Pet 2088755 (12-10-38) .. 250
(C. E. Tuffley & Son, Boscobel, Wis.)

HOPP DISPERSAL AVG. $325

(Continued from page 20)

Society of the Divine Word, Techny, Ill.:
Bonus Lea Iva Abbekerk 2076018 (11-21-39) 300
Lady Ollie De Kol Ormsby 1717253 (11-7-33) 260

Leonard Rosette, Evansville, Ill.:
Lilith Ormsby Colantha 1899996 (1-15-36) 360

Getzlman Bros., Elgin, Ill.:
Colantha Fobes Pauline Ormsby 2079390 (12-23-39) 305

Hattie Parkes, Elgin, Ill.:
Bonus Lea Rag Apple 2154326 (11-20-39) 365

P. L. Batley, Chicago, Ill.:
Jesse Abbekerk Wit 2140562 (11-17-39) 330
Princess Pontiac Ormsby Lady 1915286 (12-25-35) 320
Princess Bonny Fobes 2120888 (1-19-38) 305
Hoesly Lady Fobes 2036502 (1-2-39) 325

F. E. Von Patten, Bartlett, Ill.:
Flora Ormsby Pontiac Fobes 2126809 (5-6-39) 330

C. T. Haverly, Dundee, Ill.:
Fobes Pauline Wayne 2d 2215441 (8-4-40) 360

Arlington Farms, Inc., Evanston, Ill.:
Inka Homestead Ormsby Maid 2079388 (12-4-39) 350
Fobes Korndyke Ormsby Wayne 2024169 (9-3-38) 280
Tritomia Beets Walker Segis 1908892 (12-8-36) 325
Fobes Polkadot Ormsby Walker 2d 2055969 (8-4-39) 325
Ormsby Walker Beauty Fobes 2066732 (2-8-39) 295

John Dehmlaen, Algonquin, Ill.:
Lady Montvic Daisy Wayne 2295459 (10-3-41) 300

A. H. Kohlbush, Gray Lake, Ill.:
Beauty Creator Ormsby Fobes 2055965 (12-4-38) 300

Cornell Farm, Winfield, Ill.:
Ormsby Fobes Admiration Lass 2079387 (11-26-39) 340

Jens Bollerup, Waterloo, Iowa:
Queen Ormsby Fobes Echo 1775494 (6-16-34) 350

Geo. W. Pfeiffer, Chebanse, Ill.:
Male, Chieftain Abbekerk Plebe 843846 (12-19-41) 275

C. E. Johnson, Capron, Ill.:
Male, Bonus Lea Montvic Bess 786917 (10-20-39) 250

W. W. Thesian, Elgin, Ill.:
Male, Prince Bess Plebe Ormsby 831891 (9-16-41) 275

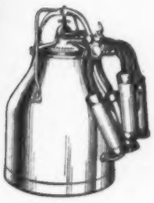
C. J. Williams, Chicago, Ill.:
Uncatalogued entry 250

Mother: "How in the world do you ever expect to make a living?"
Son: "By writing."
Mother: "Writing what?"
Son: "Writing home."

DE LAVAL SERVICE

DE LAVAL is doing its best to speed the war effort. More milk, cream and other dairy products—our most essential foods—are being produced in less time, with less labor on thousands of farms, with De Laval Milkers and Separators . . . De Laval factories are doing important precision war work as well as making as many standard De Laval products as our Government desires us to do . . . De Laval Dealers everywhere are servicing and reconditioning users' machines . . . Fortunately De Laval Milkers and Separators are quality-made for long service—they are the world's best—easy to adjust and recondition . . . If you do not know the name of your dealer, write nearest office below.

THE DE LAVAL SEPARATOR CO.
New York 165 Broadway — Chicago 427 Randolph St. — San Francisco 61 Beale St.



World's BEST Milkers and Separators

YOUR COUNTRY NEEDS MORE MILK!

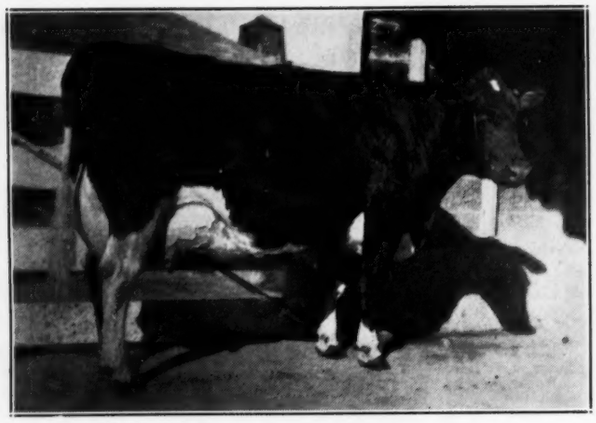
And it's your patriotic duty to produce as much milk on your farm as possible, of course, without jeopardizing the health of your herd.

You can accomplish both purposes by feeding MICHIGAN STATE RATIONS. High in quality—low in cost—maintains herd health—makes for greater production. You can't go wrong on MICHIGAN STATE RATIONS.

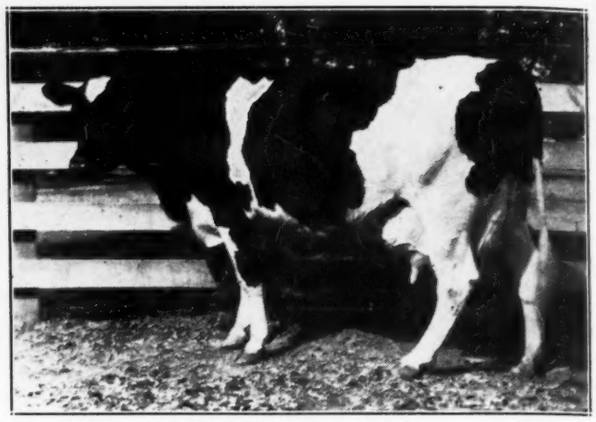
Write for complete information—detailed analysis tag and carload prices delivered to your station.

P. S. May we come in your door and tell our story? Believe it will save you money and help increase milk production.

A. K. ZINN & CO., Battle Creek, Mich.



MENDOCINO JULIETTE
A new picture, strictly homemade, of the 1941 Honor List Leader for all ages in Class B with 1,120.1 lbs fat from 25,036.8 lbs milk, 4.5%, the largest fat record of 1941 in any age class or milking classification. A daughter of King Triune Supreme Ormsby, bred and owned by Mendocino State Hospital.



MENDOCINO DUPLICATE 2d
Freshening under adverse conditions, she raised her record to 995.3 lbs fat from 23,800.7 lbs milk, 4.2%, to boost the National Champion average for three direct generations on 3X milking to 971.9 lbs fat with 4.17% test. Bred and owned by Mendocino State Hospital, Talmage, Calif.

Mendocino Producers

New pictures of two sensational producers at Mendocino State Hospital, Talmage, Calif., are sent us by H. A. Fanslow, dairyman at this institution.

Mendocino Duplicate 2d has recently come back with a 5-yr-old record on 3X milkng of 23,800.7 lb milk, 4.2%, 995.3 lbs fat. Even before she made this great record, she was the third member of the national champion three-generation group on 3X with an average of 919.2 lbs fat. This new record boosts the average still higher to 971.9 from 23,276.1 lbs milk, with average test of 4.17%. Her dam is Mendocino Duplicate, with a senior 4-yr-old record of 24,947.9 lbs milk, 4 3.%,1,075.2 lbs fat, ranking second in the nation, and the next dam is Mendocino Aaggie Duplicate with a junior 3-yr-old record of 21,003.8 lbs fat, 4.0%, 845.2 lbs fat.

Mr. Fanslow also reports that Mendocino Duplicate 2d made her 995-lb record under a considerable handicap, having freshened prematurely with a calf that lived but a few days and having barely started to make up udder when the calf was dropped. She is now reported as heavy in calf by her maternal brother, Mendocino Microphone, and even greater things are expected of her new year.

We are also glad to show this new and better picture of Mendocino Juliette, whose record of 1,120.1 lbs fat on 3X stood first on the 1941 Honor List. Her recent calf by Mendocino Microphone, was a heifer, much to the disappointment of the hospital authorities, who had been hoping for a future herd sire from this cross. This recent home made snap shot shows how well her udder is holding up after all this great production.

WATERTOWN

Breeders' Sale

WEDNESDAY DECEMBER 16

An attractive offering of 80 registered Holsteins featuring good cows with records. Twelve head from GUSTAVE PABST, Oconomowoc, Wis., including four daughters of his Osborndale bull (868-lb fat 4.1% on his New England Champion dam) from yearlings to milking age—also four sons of this sire all from good record dams. Also a 600-lb fat 3.8% 4-year-old daughter of his former sire, selling with her twin bull calves born Sept. 9. She's a show prospect!

Eight head from ROBERT AMES, Bristol, Wis., heifers from one to two years old, King Bessie bred, and from 500-lb fat dams. Several yearling bulls selling.

Baird & Darcey

Box 177 Waukesha Wisconsin

THE H. H. JONES DISPERSAL

Catalog Analysis

25	Females 2 yrs. & over	$5535.00	$221.40
4	Bred Yearlings	682.50	170.62
7	Open Yearlings	685.00	97.86
6	Heifer Calves	502.50	62.81
7	Bulls	885.00	126.43
49		$8290.00	$169.18

The fine small herd of Henry H. Jones, dispersed October 31, under the management of R. Austin Backus, at his farm near Cazenovia, N. Y., brought an average of $169.18 for the 49 head. Top price was $335, paid by M. M. Jenne, Hamilton, N. Y., for a daughter of King Bessie Ormsby Pietertje 15th, Mr. Jenne also taking a two-year-old double granddaughter of the same sire at $275. Another daughter of King Bessie 15th went to John K. Houck, Tully, N. Y., at $275, and three others went to T. Balinsky of Cazenovia, at prices from $250 to $277.50. The home bred herd sire, a grandson of Matador Segis Ormsby and King Bessie 15th, went to Francis L. Gorman, Homer, N. Y., at $175. The buyers were as follows:

(All New York) Francis L. Gorman, Homer; Harold Talbot, W. Winfield; Herman Ball, Syracuse; John R. Houck, Tuly; T. Balinsky, Cazenovia; Elmer Penoyer, Cazenovia; M. M. Jenne, Hamilton; S. F. Sweetland, Cazenovia; F. Morgan, New Woodstock; R. F. Jacobs, Canastota; Mrs. Gladys Deraway, Cazenovia; Lewis Mosher, Hamilton; William H. Cady, Canastota; A. J. Williams, W. Winfield; Walter Wright, Bridgeport; I. Yanowski, Cazenovia; E. C. Burke, Percyville; Howard G. Freeborn, Cazenovia; Bradford Judd, Cazenovia; Floyd Deraway, Cazenovia; Philip Pendergast, Skaneateles; Chas. Hudson, Erievile; Frank Totman, Cazenovia; Nathan Mosher, Munnsville; P. E. Trask, Hamilton; Jay G. Root, Manlius; Lyndon Jones, Erieville; Robert Austin, Chittenango.

MICHIGAN STATE SALE AVERAGES $295

Catalog Analysis

61 Females 2 Yrs & Over	$19130	$313.61
1 Open Yearling	155	155.00
3 Heifer Calves	435	145.00
11 Bulls	2710	246.36
76 Head sold	$22430	$295.13

The Michigan Holstein-Friesian Association held its 23d Semi-Annual State Sale on November 5 in the State College pavilion at East Lansing. The results, as shown above, give it the highest average in the entire series. In fact, it tops all state sales in the U. S. in recent years except for the New England Sale last month with its $325 average. It would perhaps be quibbling to consider the New England event in a different category than the regular state association sales.

Fresh cows and springers were in strong demand; the bull market a little slow. Even so, it was a bull that topped the sale. This was a September yearling consigned by John A. Rinke, Warren, Mich., and purchased at $860 by D. R. Mitchell, Ionia, Mich. This bull, a very choice individual named Ingleneuk Emperor Rag Apple, is a son of Emperor of Mount Victoria, out of a 507-lb 2-year-old daughter of Raymondale Ideal Successor. The second dam was Posch Abbekerk Colantha (687 lbs), one of the good brood cows of Mount Victoria, purchased there by Reeds Hill Farm. Mr. Mitchell was the largest buyer in the sale, selecting 13 head for $4,885. These were his first purchases for a herd he is establishing at Owosso, Mich.

Top price for female was $520 for a 4-year-old, Winterthur Fobes Great Tolella, a daughter of Posch Ormsby Fobes 14th consigned by Farfields Farm, Monroe, Mich. John E. Smith, Horton, Mich., was the buyer. Farfields also sold three daughters of Pabst Sir Pietertje Beauty, their great proved sire, at prices of $510, $380 and $360. They all had fine records in Herd Test, were classified respectively VG, VG and Good Plus; were bred to Pabst Sir Paul Premier, and were a real credit to their breeding.

The consignment of Martin Buth & Sons, Comstock Park, Mich., was also well received. Ionia KBKO Aaggie, a 4-year-old daughter of King Bessie Korndyke Ormsby, went at $390 to Fred P. Currier, Grand Rapids, Mich.; Creston Dorothy Creamelle, a 3-year-old daughter of Colantha Creamelle Ormsby Direct, was purchased at $350 by Glenn L. Bancroft, Flint, Mich. Dr. Currier bought four head altogether, including in addition to the Buth heifer, the $510 heifer from the Farfields

(Continued on page 41)

HELP COWS STAY *in* "PASTURE BLOOM"

with FUL-O-PEP FEEDS containing *Concentrated Spring Range*!*

Many Healthful Vitamin Benefits of fresh green pasture now provided in Ful-O-Pep!

Nature's Richest Vitamin Combination in Ful-O-Pep helps cut down breeding failures, calving troubles and milking slumps due to lack of vitamins in winter feeds.

COWS IN THE BARN during winter often suffer from lack of vitamins in their rations. Even the best roughage cannot begin to supply *all of the vitamins* that cows in heavy production must have!

THIS YEAR ESPECIALLY, with the poor quality hay that is found in most parts of the country, cows must have a VITAMIN BOOST, if they are to do the job that is expected of them.

SCIENTISTS OF THE QUAKER OATS COMPANY have now developed a new type dairy ration which contains the important VITAMIN BOOST found in green young pasture. Yes, the new Ful-O-Pep Dry and Fitting Ration is fortified with Concentrated Spring Range*, Nature's Richest Vitamin Combination, plus other vitamin-rich sources to bring your herd many of the healthful benefits of fresh spring pasture.

CONCENTRATED SPRING RANGE, the remarkable feeding ingredient found in Ful-O-Pep, is made from tender young, unjointed cereal grass which is amazingly rich in precious vitamins and the grass juice factor. Thus many of the benefits of fresh green pasture, which helps cows have that sleek, shiny bloom of health in spring, are now available to your cows in Ful-O-Pep Dairy Feeds.

FEED FUL-O-PEP DRY AND FITTING RATION with any roughage—a little more with poor roughage, a little less with good, according to directions in the bag. You'll find Ful-O-Pep Dry and Fitting Ration has many uses on the dairy farm. Conditioning dry cows, putting bulls in breeding condition, developing young stock—it does an outstanding job wherever you feed it.

ORDER YOUR REQUIREMENTS of Ful-O-Pep Dry and Fitting Ration from your Ful-O-Pep dealer today!

*Reg. U. S. Pat. Off.

VITAMINS ARE NECESSARY FOR CALVES

Dairy scientists say two great losses—scours and pneumonia—may often be traced to a lack of vitamins in calf feeding. Fortify your calves with needed vitamins by feeding Ful-O-Pep Calf Meal Pellets, enriched with Concentrated Spring Range, Nature's Richest Vitamin Combination. You may save $25 to $30 PER CALF as against whole milk alone, at today's prices.

FOR FREE FACTS about Ful-O-Pep Dairy Rations and Ful-O-Pep Calf Meal, send your name and address to

THE QUAKER OATS COMPANY, DEPT. L-40, CHICAGO, ILL.

Maryland State Sale

Catalog Analysis		
23 Females 2 Yrs. & Over	$ 6095	$265.00
13 Bred Yearlings	2410	162.31
9 Open Yearlings	1365	151.66
9 Heifer Calves	945	105.00
17 Bulls	3300	194.11
71 Head Sold	$14115	$198.80

The 11th Maryland Holstein Sale, held at McDonogh School, October 30, was the best they have held to date, according to Secretary Howard Barker, who writes that the cattle were better straight through from a standpoint of type and the records back of them, and for the most part they were in better sale condition and better trained for the ring than in any of the earlier sales of this series. The average just missed the $200 mark.

A Dunloggin cow, Ormsby Pride Bess Hengerveld, topped the sale at $405, taken by J. Homer Remsberg, Middletown, Md., who later had several opportunities to resell her at a profit. Just ready to freshen by Golden Cross, and with records up to 640 lbs. fat, she looked like great value for the price. Top bull, as in last year's sale was a young bull from Bellevue Farms, purchased at $390, by A. N. McCardell, Frederick, Md. This calf is a double grandson of Rolo Pontiac Burke Fayne, American Champion on 3X with 1190 lbs. fat and his two grandsires are Montvic Bonheur Chieftain and Ormsby Sensation 45th.

A three-year-old granddaughter of Wimbledon Dean Marathon, consigned by University of Maryland, went to Howard M. Gross, Middle River, Md., at $365; and a four-year-old daughter of Royal Creator, consigned by Ira D. Ifert, Middletown, Md., went to S. A. Holder, Bel Air, Md., at $360.

One of the bargains of the sale was the Wimbledon bull that went to Arthur M. Lusby, Kennedyville, Md., at $210, an Emperor son from an outstanding daughter of Sir Inka May. If the job now being done at Eller Farm by an older full brother to this calf is any indication, Mr. Lusby got a lot of bull for his money.

From a standpoint of dollars, Spring Grove State Hospital, Catonsville, Md., was the heaviest buyer, carefully selecting five of the better cows of the sale for a total of $1,230. The Eastern Shore of Maryland was well represented in the buyer's column, 21 head going to 12 breeders from that section, including George Robert Moffett, Chestertown, Md., who took six head for $1,240. Buyers from Virginia and Pennsylvania took several head and were consistent bidders. Animals bringing $250 or better were as follows:

J. Homer Remsberg, Middletown, Md.:
Ormsby Pride Bess Hengerveld 1749525 (3-26-34) $405
(Dunloggin, Elicott City, Md.)

A. N. McCardell, Frederick, Md.:
Male, Bellevue Honora Pontiac Willis 852904 (2-7-42) 390
(Bellevue Farm, Hyattsville, Md.)

S. A. Holder, Bell Air, Md.: (2)
Royal De Kol Korndyke Ona 2036525 (9-29-38) 360
(Ira D. Ifert, Middletown, Md.)

Howard M. Gross, Middleriver, Md.:
U of MD Dean's Debutante 2058282 (5-31-39) 365
(University of Maryland, College Park, Md.)

Jonas Gruver, Thomasville, Pa.: (2)
Dunloggin Fond Agnes 2219797 (2-5-41) 365
(Dunloggin, Ellicott City, Md.)

(Continued on page 42)

Wanted: HERDSMAN

Must have thorough knowledge of feeding and handling of Holstein cattle; with good experience in handling and developing calves and in developing cows for milk and butter production. Give full particulars as to person, experience, family, and wages expected.

In addition to a herdsman, we also want a good three-time milker. Machines used. Persons applying for this position should also send full particulars.

Rawleigh Farms

Freeport, Illinois

DISPERSAL

Northwest Iowa's Outs tanding Holstein Herd

Owing to our inability to get help we must disperse our entire milking herd at Plainview Farms, 2 miles north of Sutherland, Iowa, on—

Wednesday — December 16, 1942

74 HEAD

30 Registered cows in milk with records to 732 lbs. fat.
10 high grade cows with records to 490 lbs. fat, 4% test.
20 Registered heifers fresh or springing from dams with records up to 956 lbs. fat.
10 high grade heifers fresh or springing. Many heifer calves.
4 service age bulls from dams up to 685 lbs. fat. All 2X milking.

Included is our 1st prize 4-year-old cow and grand champion at the 9th District B. & W. Show who made 1017 lbs. fat her first two lactations. Selling, with her bull calf. Also our first prize junior yearling at the same show, now fresh and looking better than ever. Also our second prize heifer calf, daughter of a 956-lb. cow and sired by an 839-lb. double grandson of King Bessie, due right at sale time. This herd has consistently won more blues at our district show than any other breeder. Attend this sale and you will see why.

Every animal since 1936 calfhood vaccinated and Bang's immune. T. B. Accredited.

Milwaukee trains will be met at Hartley, Ia. — Illinois Central trains at Cherokee — Northwestern trains at Sutherland. All planes will be met at Thorn Airport, Moneta, Ia. (Designated) Plane service to all points from America's finest farmer-owned airport.

Bonafide buyers will be picked up by plane at their nearest designated airport, weather permitting, and returned after sale free of charge For planes available make reservations early, with us.

PLAINVIEW FARMS

Sutherland, Iowa

ORR G. WATSON, Owner

Jack Halsey, Des Moines; Bud Lyman, Cherokee, Auctioneers.

BULLS FOR SALE

By Montvic Rag Apple Captor

Son of "Ideal Successor" from a 740-lb. fat 3.84% 3-yr.-old daughter of "Pathfinder". From our great "Pearl" family dams, HIR leaders.

THE HOWARD FARM

DUNDEE, ILLINOIS

The 149th Earlville Sale

Catalog Analysis

108 Females 2 yrs. and over	$27135.00	$251.25
3 Bred Yearlings	452.50	150.83
19 Heifer Calves	1197.50	63.03
11 Bulls	2925.00	265.91
141 Head Sold	$31710.00	$224.82

The 149th Earlville Sale, held Nov. 4, under the management of R. Austin Backus, demonstrated the continued strength of the Holstein market, the 141 head averaging $224.82. This included a large number of young calves, that were listed in the back of the catalog, but not pedigreed. Omitting 17 such calves, the remaining 124 head brought the fine average of $268.

Top price of the sale was $415, paid by C. N. Robinson, Canajoharie, N. Y., for a 608-lb. fat producer of Man-O-War and Ormsby Direct breeding, consigned by C. G. Willcox, North Norwich, N. Y. Mr. Robinson also took one of the Canadian cows at $380. Another of the Canadians went to Alton H. Dillenbeck, Fonda, N. Y., at $385, for the second high price of the sale, and Grover C. Guernsey, Schoharie, N. Y., paid $380 for a good DHIA daughter of Wimbledon Inka Chieftain, consigned by D. W. Morris & Sons, West Winfield, N. Y., the other Morris cow going to Warner A. Moore, Ghent, N. Y., at $315. Kent E. Whipple, Savannah, N. Y., sold two of the $300 animals, one to Roy A. Bardwell, Tully, N. Y., at $355, and the other to Parker Corning, Glenmont, N. Y., at $345. Seven other females reached the $300 mark.

The two top bulls were both from Osborndale, Derby, Conn., the son of Sir Bess Ormsby May 2d, going to Robert M. Dann, Painted Post, N. Y., at $365, and the son of Osborndale Ormsby Fobes to P. B. Flack, Lisbon, N. Y., at $360. The C. G. Willcox bull went to S. L. Smith and Fay Hodge, Canajoharie, N. Y., at $310, and one of the Van Horne Farms bulls to J. Arthur Lee, Turin, N. Y., at $305, the other to W. C. Knapp, Fabius, N. Y., at $255.

This sale brought the grand total for the first 149 Earlville Sales to well over the two and a half million mark, the exact figure being $2,529,205 for 16,819 head, to boost the average for the entire series to just over $150. Sale details showing animals selling for $250 or over, follows, together with a complete list of buyers:

C. N. Robinson, Canajoharie, N. Y.
Per Lee Place Man-O-War Delight 1838573 (12-18-35) $415
(C. G. Wilcox, N. Norwich, N. Y.)
Beauty Lenox Segis 351430C (3-3-36) 380
(Ralph R. Scott, Peterboro, Ont.)

Alton H. Dillenbeck, Fonda, N. Y.
Bridge View Princess Rag Apple 455466C (12-13-39) 385
(Stewart Fisher, Vernon, Ont.)

Robert M. Dann, Painted Post, N. Y.
Male, Osborndale Sir Oliver Fayne 848401 (2-17-42) 365
(Osborndale, Derby, Conn.)

Grover C. Guernsey, Schoharie, N. Y., (4)
Nuway Nancy Homestead 1962772 (10-18-37) 380
(D. W. Morris & Sons, W. Winfield, N. Y.)
Marguerite Rightaway 428804C (3-13-38) 270
(Sidney L. Smith, Canajoharie, N. Y.)
Alcartra Posch Segis Echo 467617C (1-12-40) 250
(Wm. A. Scott & Son, Stella, Ont.)

Roy A. Bardwell, Tully, N. Y.
Marshline Treva Bess Burke 2164670 (10-25-39) 355
(Kent E. Whipple, Savannah, N. Y.)

Parker Corning, Glenmont, N. Y., (3)
Marshline Star Jo-Anna 2192743 (7-1-40) 345
(Kent E. Whipple, Savannah, N. Y.)
May Walker Francy 464862C (5-6-40) 290
(Robert Merritt, Napanee, Ont.)

P. B. Flack, Lisbon, N. Y.
Male, Consigned by Osborndale Farm, Derby, Conn. (6-14-42) 360

Noah W. Kreider, Manheim, Pa, (5)
Almonte Daisy Fayne 418183C (2-13-39) 350
(Norman Robb, Nobleton, Ont.)
Helen Creator Segis 370246C (5-6-37) 305
(W. E. Jackson, Napanee, Ont.)
Wayside Alura Pabst 465634C (5-13-40) 280
(J. E. Ewart, Perth, Ont.)

C. E. Bird, E. Walpole, Mass.
Soo Coral 345213C (11-30-36) 315
(T. O. Dolson, Brampton, Ont.)
Heilo Creator Baroness 41086C (12-8-38) 300
(Bickle Bros., Port Hope, Ont.)
Rillfield Countess 391470C (2-3-37) 305
(Sidney L. Smith, Canajoharie, N. Y.)

(Continued on page 40)

★BEST UDDERED HOLSTEIN AT 1942 DAIRY CATTLE CONGRESS

HINMAN MILKED *of Course!*

Montvic Chieftain Abbekirk — Best-Uddered Holstein of any age —also Reserve Grand Champion. Owned by Franlo Farms.

HERE'S more proof that the Hinman 10" Low-Vacuum Milker actually safeguards the udder and attachments! And it's proof that the natural, soft-working action of the Hinman helps to keep Champions in fine milking condition. There's a soothing, quieting effect to a Hinman Milker that relaxes the cow—gets her to let her milk down freely and completely.

Hinman milkers are not made specially for show herds, or for contest milking. They are built to give the best possible results from the *average cow*. In these days of farm labor shortage, you owe it to yourself to investigate the 10" Low-Vacuum, the one *best* vacuum for the *best* milking results . . . that permits each Hinman Unit to milk up to 15 cows per hour! Ask your Hinman Dealer . . . or write us for our free new folder.

Hinman Milking Machine Co., Inc.
Box 105, Oneida, N. Y.

IF YOU NOW OWN A HINMAN MILKER
Keep it in fine shape from now on! We have a new folder giving you hints on its care and cleaning. Send for your copy today.

HINMAN 10" LOW-VACUUM MILKER

New Jersey State Fair

The Landis and Robertson show herds wound up their circuits at New Jersey State Fair at Trenton, in a slam-bang battle, from which Robertson emerged with both grand championships, both senior championships, 10 firsts, 5 seconds and 3 thirds; Landis with one Junior championship, 5 firsts, 8 seconds and 6 thirds.

King Bessie Korndyke Clark Gable, sensational Robertson Farms two-year-old bull, kept his record good as undefeated grand champion. The Landis aged bull, General Mooie Homestead, headed the aged bull class over Robertson's Piebe Homestead of York 54th, and the Landis yearling bull, Green Hill Moncade, was junior champion male.

Robertson had first and second on aged cows, the winner, Molly Ormsby Supreme, taking senior champion honors over the Landis three-year-old, Green Hill Mazie Roberta, and the Robertson two-year-old, King Bessie Korndyke Ollie. In an upset victory, the Robertson senior yearling heifer, King Bessie Korndyke Beets Echo, nosed out Green Hill Hilda in class and went through to junior and grand champion.

All the group classes were won by Robertson except Produce of Dam. The only other exhibitor was Myron Wengryn, Somerville, N. J., showing one entry, the fourth prize junior yearling heifer.

Following are the detailed awards as furnished us by the fair management. The name of the judge was not given.

Aged Bulls

1—General Mooie Homestead 647558, Wm. H. Landis, E. Greenville, Pa.; 2—Piebe Homestead of York 54th 762873, Robertson Farms, York, Pa.

Bull, 2 Years

1—King Bessie Korndyke Clark Gable 810352, Robertson Farms.

Bulls, 1 Year

1—Green Hill Moncade 829234, Wm. H. Landis; 2—Green Hill Sir Echo 828086, Wm. H. Landis.

Bull Calves

1—King Bessie Korndyke Veeman Boy 853142, Robertson Farms; 2—Green Hill Burton 839064, Wm. H. Landis; 3—King Bessie Korndyke Sir Mary, Robertson Farms; 4—Green Hill Inkabelle Mooie 829587, Wm. H. Landis.

Senior and Grand Champion Bull

King Bessie Korndyke Clark Gable.

Junior Champion Bull

Green Hill Moncade.

Aged Cows

1—Molly Ormsby Supreme 3260071, Robertson Farms; 2—Meisegeier May Haidee Ormsby 1923789, Robertson Farms; 3—Green Hill Inka Homestead Minnie 1789968, W. H. Landis.

Cows, 3 Years

1—Green Hill Maizie Roberta, Wm. H. Landis; 2—Admiral Ormsby Donna 2162290, Robertson Farms; 3—Green Hill Pluetta 2012894, Wm. H. Landis.

Cows, 2 Years

1—King Bessie Korndyke Ollie 2184732, Robertson Farms; 2—Walker Inka May Grace 2058495, Robertson Farms; 3—Green Hill Boetta 2071423, Wm. H. Landis.

Heifers, Senior Yearling

1—King Bessie Korndyke Beets Echo 2252458, Robertson Farms; 2—Green Hill Hilda 2245720, Wm. H. Landis; 3—Green Hill May Moncade 2245721, Wm. H. Landis.

Heifers, Junior Yearling

1—King Bessie Korndyke Claudette 2284046, Robertson Farms; 2—King Bessie Korndyke Ormsby Piebe 2269005, Robertson Farms; 3—Green Hill Tidy Abbekerk Moncade 2245727, Wm. H. Landis; 4—Beets Fayne Aaggie 2245854, Myron Wengryn.

Heifer Calves

1—Green Hill Burton Roberta 2279316, Wm. H. Landis; 2—Green Hill Bellwood Boast 2250453, Wm. H. Landis; 3—King Bessie Korndyke Irma, Robertson Farms; 4—King Bessie Korndyke Mary Lou, Robertson Farms.

Senior Champion Female

Molly Ormsby Supreme, Robertson Farms.

Junior and Grand Champion Female

King Bessie Korndyke Beets Echo, Robertson Farms.

Exhibitor's Herd

1—Robertson; 2—Landis; 3—Robertson.

Young Herd

1—Robertson; 2—Landis.

Get of Sire

1—Get of King Bessie Korndyke Ormsby 22d, Robertson Farms; 2—Get of Green Hill Burton Boats, Wm. H. Landis; 3—Get of Pabst Sir Moncade Cornflower, Wm. H. Landis; 4—Get of King Bessie Korndyke Ormsby 22d, Robertson Farms.

Produce of Dam

1—Produce of Green Hill Inka Princess Etta, Wm. H. Landis.

Dairy Herd

1—Robertson; 2—Landis.

He was extremely conceited and boring.

'It's a fact," he boasted to a girl, "that people often take me for a member of the Guards."

"Really?" drawled the girl. "Fire—shin—railway—mud— or black?"

THE GARDEN SPOT CONSIGNMENT SALE

THURSDAY – DEC. 17

At the Farm of C. N. Brubaker
WILLOW STREET — LANCASTER COUNTY — PENNSYLVANIA
Out 4 Miles from Lancaster on Route 222

70 Registered Holsteins

ALL T. B. ACCREDITED AND BANG'S CERTIFIED

This is a continuation of the series of Pennsylvania Consignment Sales that have been held so successfully in another location under our management.

55 Fresh or Close Springers

All Hand Picked for Type and Production

20 From LANCASTER CO.
20 From SUSQUEHANNA, WAYNE and CRAWFORD COS.
30 From the best sections of CANADA

All of good ages, carrying good udders and backed by good strong pedigrees. A high class offering in every respect.

Dairymen and Breeders from all parts of Pennsylvania, from Maryland, Virginia and states farther South, who are looking for immediate milk supply and for foundation seed stock for the future, will be interested in this sale . . . interested because it will provide you an ideal opportunity to buy choice Holsteins all assembled for you in one place . . . interested because they have been strictly hand picked and because they will be sold under rigid requirements to prove as represented.

WRITE FOR DETAILS TO

Penn. Federation of H.-F. Clubs

CLARENCE LYONS, Secretary, Strasburg, Pa.

OR TO

R. AUSTIN BACKUS, Mexico, N. Y.

Joint Sale Managers

John J. Bloomfield Est. Dispersal

Catalog Analysis

56 Females 2 Yrs. & over	$13072.50	$233.43
9 Open Yearlings	1320.00	146.66
9 Heifer Calves	1225.00	136.11
2 Bulls	810.00	405.00
76 Head Sold	$16425.50	$216.12

The John J. Bloomfield Estate dispersed their Holstein herd on November 10, following the sale of the farm and equipment on the 9th, under the management and hammer of R. Austin Backus, Mexico, N. Y. Despite a severe rain and wind storm which threatened the sale tent, 39 New York buyers and John Bolten of Massachusetts, paid the above prices which were considered satisfactory under the unfavorable conditions and the short selling notice.

No testing had been done in the herd, but an average test of 3.8% had been maintained at the milk station, and the herd was very well bred, with daughters and granddaughters of Middleton Ormsby Prince, Alcartra Echo Sylvia Car Born in the older section of the herd. There were 22 young daughters of Prince Mark Posch, a 4-year-old grandson of Johanna Rag Apple Pabst, and 21 daughters of Carnation Mistland Ormsby 26th, son of Carnation Mistland Ormsby, who will be remembered as the $4,000 son of Matador Segis Ormsby at the head of the Kellogg Riverside Farm herd at Cortland, N. Y.

Top price of the sale was paid for the 4-year-old Prince Mark Posch herd sire, who went to Paris O. Ives of Guilford & Eddy E. Wade, Bainbridge, N. Y., for $460. He is sired by General Posch, well known son of Johanna Rag Apple Pabst formerly at the head of the Yates herd, and out of Sabra Colantha Posch, 958.5-lb fat daughter of Sir Paul Colantha Posch (he by Count Colantha Paul Posch). His 22 daughters in the sale sold for a total of $3965. The other bull offered was Saltland Ideal Fobes, son of Saltland Inka Fobes Prince, consistent blue ribbon winner at New York State Fair, from the herd of Fred Saltsman & Son, Cortland, N. Y. The dam is Saltland Ormsby Ideal Nora, 596.5-lb granddaughter of King Ormsby Ideal, and a headliner from the Saltsman herd in the forthcoming Invitational Sale at Earlville. He went to A. E. Rienhardt, Nedrow, N. Y., for $350. He is just over one year old.

Top of the female offering was $405, paid by John Bolten, Andover, Mass., for Duchess May Alcartra Mercedes, 5-year-old daughter of Carnation Mistland Ormsby 26th. With her went three other daughters of Mistland 26th, and one of his granddaughters, all at prices of $300 and over. Mr. Bolten was the heaviest buyer in the sale, taking 8 head for $2410. 21 daughters of the Mistland bull sold for $4750.

A program of calf vaccination had been followed in the herd, of which 16 were heifer calves or open yearlings under 2 years and nine just over 2 years carrying their first calf. The sale total for these vaccinated animals was $4215.

Following is a list of these selling above $250 with details, and the complete list of buyers:

Paris O. Ives, Guilford & Eddy E. Wade, Bainbridge, N. Y.
Male, Prince Mark Posch 764475 (2-14-38) $460

John Bolten, Andover, Mass.: (8)
Duchess May Alcartra Mercedes 1933444 (1-28-37) 405
Keyes Alcartra Ormsby 1766409 (2-28-34) 320
Flossie Creamelle Ormsby Fayne 1933443 (12-20-36) 300
Flossie Inka Ormsby Fayne 2056423 (11-17-38) 300
Gipsy Alcartra Ormsby 1855213 (11-24-35) 300
Gipsy Alcartra Netherland 2146585 (9-16-39) 310
Pietje Lady Ormsby 1679306 (11-12-32) 275

A. E. Rienhardt, Nedrow, N. Y.
Male, Saltland Ideal Fobes 850934 (10-10-41) 350

(Continued on page 42)

Will-Mil Farms Dispersal

Wilbur F. Miller, Owner

FRIDAY, DEC. 18 — At the Farm near DETOUR, MD.

41 Registered Holsteins

T. B. and Bang's Free — Starting at 12.30 — —Under Cover

20 Open Heifers — Bang's Vaccinated

FRESH COWS — CLOSE SPRINGERS — HEIFER CALVES

This is a herd of high producers and splendid individuals, and every animal sells without reservation. Send for catalog to—

WILBUR F. MILLER, Owner, Union Bridge, Md.

or

R. Austin Backus, Sales Mgr. and Auctioneer, Mexico, N. Y.

Big Auction Announcement

COMPLETE DISPERSAL 300 HEAD

LANGDONHURST FARMS

Copake, Columbia Co., New York

Mon.-Tues.-Wed.—DECEMBER 28-29-30

This herd is T. B. accredited, all cattle Bang's vaccinated and blood tested. There are 225 registered Holsteins, including 129 cows, the majority fresh or close springers. Several from 500 to 600 lbs fat on 2X milking. 51 open yearlings and heifer calves. Seven herd bulls of popular breeding. These registered Holsteins will be sold on Monday and Tuesday. On Wednesday, Dec. 30, 75 purebred Ayrshires, horses, and farm machinery will be sold.

Watch for details in next issue of the World.

R. Austin Backus. Mexico, N. Y. — Sale Mgr. and Auctioneer

Northern Indiana Breeders Sale

Sale Summary

26	Females 2 Years and Over	$8245	$317.11
5	Open Yearlings	545	109.00
2	Heifer Calves	225	112.50
7	Bulls	713.50	101.92
40		$9728.50	$243.21

The Northern Indiana Breeders held their fall sale Nov. 12 at Goshen, Indiana, with the fine results indicated above. Cows were in strong demand, with the 26 cows and hiefers over 2 years old averaging over $317. Interestingly, the 16 cows with CTA records averaged $371. Every animal in the sale had either a CTA record or was from a CTA dam. Bulls and young heifers sold conservatively.

Top price of the sale was $540 for a 9-year-old granddaughter of Sir Bess Ormsby Fobes 50th, with a 6 year old record of 725 lbs and a total of 2934.3 lbs in 5 lactations. Marvin Golden, Nappanee, Ind. was the consignor and Sam Mohler, Syracuse, Ind. was the buyer. R. D. Johnson, Dextora Farms, Indianapolis, Ind. was a strong contender on the better cows, purchasing four for a total of $1695. These included a 662 lb cow from James Ummel, Elkhart, at $480, a 7-year-old with a 503 lb 3-year-old record from John Ummel, Jr., Elkhart, for $425, and a 5-year-old with a 621 lb 4-year-old record at $420 from Mr. Golden. Earlham College, Richmond, Ind. also made three fine additions to their herd, including a 4-year-old daughter of Captain Man-O-War Bessie with a 479 lb 3-year-old record at $450 from James Ummel. Newman Bros., Culver, Ind. bought five head. There were two buyers from Michigan; the rest from Indiana. Tim Blosser was sale manager, with C. B. Smith as auctioneer, assisted by Romayne Sherman.

Following is the list of buyers, with details on animals selling above $250:

Sam Mohler, Syracuse, Ind, (3)
Belle Pontiac De Kol Fobes 1753635 (5-14-33) $540
(Marvin Golden, Nappanee)
De Kol Pontiac Fobes Ormsby 2165231 (5-4-40) 260
(Marvin Golden, Nappanee)

R. D Johnson, Indianapolis, Ind.
Lilith Houwtje Prospect 1850081 (9-6-33) 480
(James Ummel, Elkhart)
Ophelia Betty Chieftain 1913538 420
(Marvin Golden, Nappanee)
Hartog Prospect Segis Ormsby 1850090 (10-10-35) 425
(John Ummel, Jr., Elkhart)
Man-O-War Perfect Lady 2078760 (2-24-38) 370
(Joseph P. Gorsuch, Goshen)

Earlham College, Richmond, Ind.
Prairie Crest Man-O-War Carolyn 2089417 (4-15-38) 450
(James Ummel, Elkhart, Ind.)
Alderhurst Man-O-War Butter Girl 2092258 (9-20-38) 360
(John Ummel, Jr., Elkhart)
Della Ormsby Fobes Korndyke 2215381 (7-15-40) 290
(Marvin Golden, Nappanee, Ind.)

Dr. Andrew Petrass, South Bend, Ind.
Romeo's Ima (7-11-39) 360
(Raymond Vail, Syracuse, Ind.)

Clair A. Swagger, Kendalville, Ind.
Uneeda Romeo Ormsby Judith 2183570 (7-13-40) 355
(Clee Hibschman, Syracuse, Ind.)

Bernard Detrick, Tipp City, Ind., (4)
Rosetta Ormsby Korndyke Fobes 2086794 (7-16-39) 335
(Marvin Golden, Nappanee)
Creamelle Clothilde Piebe Segis 2109005 (6-28-42) 275
(C. E. Lehman, Goshen, Ind.)

P. A. Jones, Jonesville, Mich.
Belle Pontiac Fobes De Kol 1846519 (9-29-35) 330
(Marvin Golden, Nappanee, Ind.)

Newman Bros., Culver, Ind (5)
Ophelia Fobes Burke Ormsby 1996362 (8-3-38) 320
Romeo Ormsby Fobes Bess Burke 2086590 (12-28-38) 290
(Marvin Golden, Nappanee)
Bear Swamp Creator Mae (10-1-37) 270
(Joseph E Reed, Millersburg, Ind.)
Bear Swamp Creator Bicky (8-20-37) 250
(Joseph E. Reed, Millersburg)

Amos Each, Topeka, Ind., (2)
June Ophelia Betty Fobes 1846521 (4-1-36) 270
(Marvin Golden, Nappanee)

Joseph Gorsuch, Goshen, Ind.
Goldendron Pontiac Colantha Mable 1984627 (1-21-38) 260
(James Ummel, Elkhart, Ind.)

Other Indiana buyers were: Raymond Vail, Syracuse; Wm. Ramer, Wawaka; John D. Miller, South Bend; Joseph Lemish & Son, Garrett; Roy D. Shortz, Albion; Ezra Beer, Milford; Bert L. Cook, Elkhart; Clarence Jones, Goshen; Ralph Martin, Millersburg; O. P. Wilkinson, La Porte; Geo. Reed, Millersburg; Nelson Paul, Syracuse; also A. E. Wolf, Climax, Michigan

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There is only one way to make dreams come true—wake up and go to work.

Complete Farm Dispersal

WILBURN BARKLEY EST.

HARPERSFIELD, N. Y.

On Route 23, 6 miles west of Stamford, in the village of Harpersfield, Delaware County.

TUESDAY — DECEMBER 15

50 Holsteins, the majority registered, T. B. accredited and negative to the blood test. Good CTA records up to 477.8 lbs fat, 2X milking. This herd is outstanding in physical condition, type and size, and they are mostly fresh or close springers. Many of them are daughters of **Duke Perfection Ormsby,** a son of Carnation Mistland Ormsby 33rd.

HERD SIRE SELLS

The present herd sire, a son of **King Bessie 60th,** the great proved sire from the Sharon Mauhs herd, is selling with many daughters, and the entire herd bred to him.

220 Acre Farm Selling

The death of Mr. Barkley in November leaves this good farm in the estate, which is being settled through this auction sale. The farm will be sold at **10.00 a. m.** It consists of 220 acres, a large part of it tillable. Buildings in excellent condition. Two large silos. Spring water, electricity, and modern conveniences in the house.

SUGAR BUSH

The sugar bush contains 1,000 maple trees and complete maple syrup making equipment, including a good up-to-date evaporator.

60 Tons Hay — 15 Tons Straw — 250 Bushel Oats

Farm Equipment—including a new model H Farmall tractor (with hydraulic lift plow); John Deere hay loader; rake; grain drill; mowing machine; 3 single units De Laval Milker complete.

Sale Under Cover — Lunch Will Be Served

R. Austin Backus, **Mexico, N. Y.**
Sale Manager and Auctioneer

Colfax Carnation Geraldine Nywood

Born Jan. 25, 1942

He is about ⅔ black, well grown, an excellent calf in every way, and a fine prospect for the junior yearling classes next fall. Nearly ready for service.
Send for the pedigree and price on this outstanding young herd sire prospect.

Send for Pedigree and Price

Dunbar & Middleton Farms

COLFAX, INDIANA

W. P. Dunbar, Owner

Sire:

Carn. Governor Madcap
1st prize 3-yr-old, Indiana 1940. Sire 1st prize get Northern Indiana B. & W. Show 1942.
Only living son of the World Champion "Capper", greatest of the world's highest producing family of cows, the MADCAPS. His first daughters milking exceptionally with over 4% test.

Gov. of Carnation
60 A. R. daughters
11 from 830 to 1248 lbs.

N. S. Joe Homestead
A. A. Aged Bull 1924.

C. Inka Walker-Hazelwood
24481 M. 4.7% 1149.4 F.

Carn. O. Madcap Fayne

Fat 8y 1392.4
Milk 41943.4
(World Record)

Matador Segis Ormsby
95 A. R. dtrs. to 1402 F.

Casc. Madcap V. F. 2d
29245 M. 3.5¾ 1036 F.

King Bessie O. Pietertje
21 All-American offspring.

Fobes Korn. Geraldine
21585 M. 4.1% 885 F.

Dam:

Bessie Geraldine Nywood
A 1st calf heifer. Grand Champion and blue ribbon winner in 4-H as a calf and yearling. Double granddaughter of King Bessie from a reserve all time All-American dam, next dam an Ill. State Champion.

K. B. Fobes Geraldine
Full brother to two All-Americans.
2d Jr. Yrlg. Ill., Wis., 1937.

Bessie Ormsby Nywood
12124 M. 423.6 F. CTA, 2X
Res. All Time A. A. Jr. Yrlg.

King Bessie O. Pietertje
Twice All-American.

Nywood Fobes Lass
25111 M. (B) 829.6 F
Gr. Ch. Illinois 1931.

JONABELL GOLD—Our Future Herd Sire

Now Growing up to become First Assistant to

His Sire, JONABELL COMMANDO — and his Double Grandsire, DUNLOGGIN DEUBLER

HIS PEDIGREE

JONABELL GOLD
His three nearest dams are all PENNSYLVANIA STATE CHAMPIONS on 2X milking.
He gets 87½% of his blood from three really great cows—Lashbrook Pearl Ormsby and that great pair of three-fourths sisters, Larkspur and Marigold, both State Champions and each of them dam of a state champion daughter.

Sire

JONABELL COMMANDO
Our junior sire. His first calves from Deubler daughters show wonderful promise.

DUNLOGGIN DEUBLER
Our Senior Sire—son of Lashbrook Pearl Ormsby by her older son, Dunloggin Woodmaster.

IVY BOWER LARKSPUR
4¼y 365d C 18430.9 M. 691.2 F.
(Pennsylvania State Record)

Dam

JONABELL DIANA
Fat 305d 2y (C) 418.5
(Pennsylvania State Record)
Milk 10219.2
Average % fat 4.1
(C. C. 210 days)

DUNLOGGIN DEUBLER
See above. Getting a fine start as a sire of production with good test.

IVY BOWER MARIGOLD
4y 305d C 14657.0 M. 518.5 F.
(Pennsylvania State Record)
5y 305d C 15170.7 M. 527.0 F.
6y 305d C 16117.8 M. 569.9 F.
7y 305d C 16116.7 M. 579.7 F.

Remember the Name — JONABELL GOLD —

You Will Hear More About Him Later

JOHN A. BELL, JR. — Oliver Bldg. — Pittsburgh, Pa.

Jonabell is Located Near Sewickley, Pa.

New York Holstein-Friesian News Letter

W. D. BROWN, Secretary

Notice of Annual Meeting

You are hereby notified that the regular Annual Convention of the New York Holstein-Friesian Association, Inc., will be held on Tuesday, January 19, 1943, at Syracuse, New York, in the Hotel Syracuse. The meeting is called for 10:00 a.m. for the purpose of electing four directors for a term of three years, acting upon proposed amendments to the by-laws, receiving reports of officers and committees and to transact any other business which may properly come before the meeting. Directors whose terms of office expire at this time:

R. Y. Walrath from District No. 8 (Otsego, Chenango, Delaware); G. S. V. Andrews from District No. 9 (Rockland, Orange, Sullivan, Ulster, Greene, Columbia, Dutchess, Putnam, Westchester, New York, Bronx, Nassau, Kings, Queens, Suffolk); Geo. H. McGeoch from District No. 10 (Fulton, Montgomery, Schoharie, Saratoga, Schenectady, Albany, Rennselaer, and Washington); Lawrence W. Riley from District No. 11 (Franklin, Clinton, Essex, Hamilton and Warren).

Proposals of Amendments to the By-Laws:

By the Directors of the New York Holstein-Friesian Association:

To amend Article 4, Section 1, to read as follows: "Each member shall pay within four months after the beginning of each fiscal year an annual dues of three dollars and fifty cents ($3.50) for that fiscal year.

Note: This change allows a member four months instead of eight to pay his dues. This change is necessary in order that the State Association can better cooperate with the National Association in carrying out the intent and purpose of the Misner resolution and also in helping to bring about the completion of our membership canvass by May 1st.

Because of the war emergency condition that now exists, we deem it necessary and advisable to change our regular custom and simplify our annual meeting by eliminating the evening banquet. We are trying to conserve labor, time, and travel for local breeders by doing this. There will be a luncheon during the hour for the entire group. At this luncheon we expect to have a speaker of national reputation and to make the Extension contest awards. The New York State Holstein champion 4-H boy and girl will also be our guests at this luncheon.

Holstein breeders in New York State look forward to this meeting, and I am sure they will not be disappointed this year. Syracuse is centrally located and easily reached by public conveyance. I am sure any Holstein breeder would be justified in using the necessary means of travel to attend this important meeting. We are not asking the local Onondaga County Holstein Club to do much extra work or stand much expense for this meeting, but they extend a hearty welcome to all and we hope you will support them by your presence.

I wish to call to the attention of all New York State Association members the fact that December 15th is the closing date for the Extension Contest. If you have not already made a report to your local club secretary, please do so at once. You should report all D.H.I.A., Herd Test, or A.R. records over 300 lbs. fat; butterfat records of the dams of all herd sires used during the past year; whether your herd has been officially classified or Type Graded; all showing activities; and any articles of publicity. No item is too small to receive some credit. Seven hundred dollars in prize money will be divided among the clubs that send in reports. The amount your club receives will depend upon your cooperation in sending material to your secretary. We hope for a report from every club this year. There are only a few days left, so please get busy.

Extension Contest

About $700 in cash awards to be divided among the winning County Clubs for their work on the following breed promotional activities.

MEMBERSHIP

HERD IMPROVEMENT

PUBLICITY

CALF CLUBS

SHOWING

Be sure YOUR County Club submits its report. See that your club secretary is completely informed on the work you have done during 1942 in any of these five activities.

ALL REPORTS DUE BY

DECEMBER 15

N. Y. Holstein-Friesian Ass'n

W. D. Brown, Sec'y.

Ithaca :: New York

Proof

13 Dtrs. 15,030 M. 3.57% 537. F.
13 Dams—15,030 M. 3.46% 520 F.
9 Classified Daughters
2 EX—1 VG—2 GP—4 G—Avg. 82.5
KING BESSIE ORMSBY FAYNE
Offering his sons and grandsons from classified dams with good HIR records.

The Knoell Herd

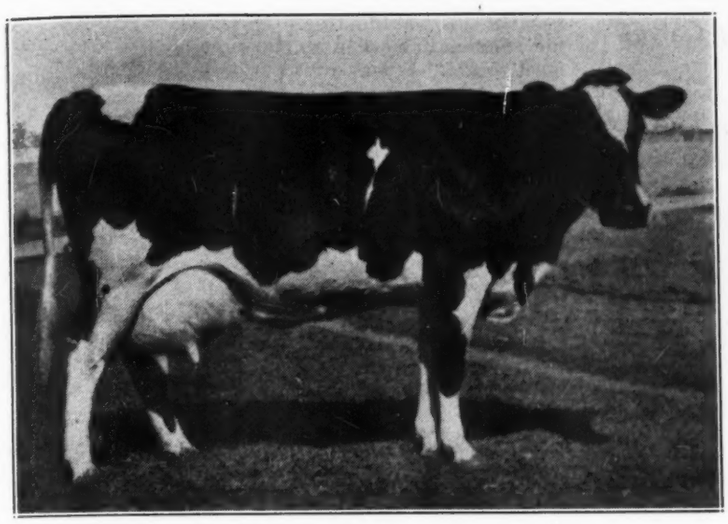
C. J. KNOELL Tonawanda, N. Y.
Certified . . . Accredited

Here's A "Lena" Bull Calf Bargain!

He was born April 19 to a daughter of Kelco Ormsby Piebe, 1161-lb fat daughter of the 923-lb "Lena" cow, she with five producing daughters in our herd that average 834 lbs fat on 2X and 3X milking. The calf is sired by "King", our son of Osborndale King Ormsby from "Olive Maid", the only cow of any breed to have three daughters that average 800 lbs fat, 4% test in Class C. The dam of this calf is making 500 lbs fat as a 3-year-old in Class C (Herd Test). The nine nearest dams average 946 lbs fat, 2X and 3X milking. Send for pedigree and price today.

KELCO FARM

Arling Cobb & Son **Whitesville, N. Y.**



MARTONA'S POSCH QUEEN
New world champion senior two-year-old milk producer on 3X, with 26,514 lbs. milk, 770 lbs. fat. Bred and owned by La Martona, Buenos Aries, Argentina.

Argentine Dutch Heifer Breaks Record

As recently announced in our news columns, an Argentine Dutch (Holstein-Friesian) heifer, whose nearest sires are all Holsteins, has just broken the world milk record for senior two-year-olds on 3X milking with 26,514 lbs. milk containing 770 lbs. fat in 365 days. She is Martona's Posch Queen, bred and owned, as were her dams for several generations back, by La Martona of Buenos Aires, whose ranch is located at Vicente Casares, Argentina. The highest comparable record for milk in the United States is that of Taylaker Ormsby Gettie Lutscke 2d, with 23,836 lbs. milk, owned by M. J. Haas, San Jose, Calif.

The new champion is sired by a Maytag-bred bull, Man-O-War Posch Marathon, purchased by La Martona in 1937. He is a son of the four times All-American, Man-O-War 30th from the highest record (1061 lbs. fat) daughter of another All-American aged bull, DeCreamCo Calamity Posch.

The dam is a Martona-bred daughter of King Bessie Ormsby Pietertje 53d, a high record son of King Bessie that came from Elmwood. The second and third dams were also by sires that came to Argentina from the United States but were both of La Martona breeding as was also the fourth dam.

Martona's Posch Queen carried calf for the last 168 days of her record and freshened again, as just announced by Herd Manager Guillermo Bullrich, with a fine heifer calf sired by Carnation Madcap Prince, the son of the world champion milk producer, Carnation Ormsby Madcap Fayne, that they purchased from Carnation in 1941. Mr. Bullrich writes that they had the bad luck to lose this bull last spring but that so far six daughters and two sons thus far sired by him.

The validity of this record is attested to by Sociedad Rural Argentina, whose secretary writes our Secretary Norton that the figures are the results of daily milk weights kept at the farm and verified by monthly inspections by representatives of La Sociedad. As check tests they also conducted two additional tests, ascertaining the milk and fat production for 48-hour periods at the 66th and 334th days from the beginning of test. On her best official test day she produced 40 kilograms (about 88 lbs.) milk in 24 hours. On her first check test she had 70½ kilograms (about 145 lbs.) in the 48 hours and on the check test at the beginning of her twelfth month she produced 53.1 kilograms (106.8 lbs.) in the 48 hours.

According to La Sociedad, the champion ran at pasture day and night the year around, her pasture supplemented by a grain ration of corn, oats, barley and bran.

Mr. Bullrich also writes that following the untimely death of Carnation Madcap Prince, they purchased from Carnation the last born son of Cascade Madcap Violet Fayne 2d, the dam of the great Madcap daughters. This young bull, born Oct. 19, 1941, and sired by Governor of Carnation, has arrived safely in Buenos Aires, and in quite good condition. Mr. Bullrich writes that he is a young bull of excellent type and well developed.

La Martona is the home of what is probably the largest Holstein herd in the world and is believed to be the world's largest producer-distributor of dairy products.

MONTHLY MILK SALES REPORT

New York, Nov.—Daily average sales of fluid milk during October increased 8.34 per cent over the same period a year ago, according to reports from leading distributors in 152 U. S. markets to the Milk Industry Foundation.

In October daily average sales totaled 8,979,299 quarts compared with 8,288,186 quarts in October 1941.

Milk company payrolls in October showed an increase of 10.35 per cent and employment a decrease of 2.00 per cent compared with October 1941.

The GOLD MEDAL Means This

The "Gold Medal Sire" is approved by the National Association as a proven sire that has increased production and improved the type of his daughters over their dams. It is the highest award made to a proven sire and there have been only a few in the history of the breed. Note the "Gold Medal" backing of the WAIT FARMS herd sires listed below. Their bull calves for sale.

WAIT FARM MERCEDES ORMSBY JUDGE
An "Excellent" son of our Gold Medal sire, Wisconsin Sir Wellington Pride, from a 557-lb fat 4.2% dam by a son of the Gold Medal sire, Creator.

WIMBLEDON INKA VEEMAN EMPEROR
A "Very Good" Gold Medal son of Carnation Emperor from a twice 700-lb fat daughter of Sir Inka May 9th.

WAIT FARM CARNATION JONATHON
An "Excellent" son of the Gold Medal sire, Wimbledon Inka Veeman Emperor, from a 685-lb fat 3.9% daughter of Jonabell Jonathan, proven sire.

"Try Wait Farms First"

The Wait Farms——Auburn, N. Y.

J. R. Wait, Owner 77 Genesee St., Auburn, N. Y.

War Emergency Plans for Raising Calves and Heifers

(Continued from page 10)

farm situations, skimmilk should be utilized for animal feeding.

Dry Feed System. This system or modification of it limits the amount of whole milk to from 200 to 350 pounds, eliminates liquid or reconstituted skimmilk entirely, and employs a grain mixture containing 12½ per cent of a high protein animal by-product feed such as skimmilk powder, dried blood, fish meal, or dry rendered tankage (8, 9, 10).

	Pounds
Ground yellow corn	500
Ground Oats	750
Wheat bran	250
Linseed oil meal	250
Dried blood, skimmilk powder, fish meal or dry rendered tankage	250
	2000
Ground limestone	20
Steamed bone meal	20
Salt	20

The calf is started on this grain as early as possible and continued on it until at least 4 months of age, when a simpler heifer mixture can be used. Good quality hay and water are given as usual.

Using this system and employing as little as 200 pounds of whole milk and no skimmilk, Krauss, Monroe and Hayden (9) were able to raise Holstein calves to normal size at 6 months. For several months during the feeding period practically all the calves were rough and pot-bellied, a condition that seems to be characteristic of the system.

On the West Coast corn is usually unavailable, therefore, Knott and Hill (11) suggest the following dry calf meal mixture.

	Pounds
Powdered skimmilk	250
Ground barley	200
Ground oats	200
Wheat bran	150
Blood meal	100
Linseed meal (old process)	70
Sterilized bone flour	20
Salt	10

They suggest feeding whole milk until 2 weeks of age after first letting the calf suckle its mother for 48 hours. From 2 weeks to 5 weeks of age, they recommended feeding powdered skimmilk solution using 1 pound of dried skimmilk to 9 pounds of water. A week should be taken in making the change from the whole milk to the dried skimmilk solution. The above dry calf meal is offered at 1 week of age and the calf encouraged to eat it, and skimmilk feeding is gradually discontinued at 5 weeks of age. Good hay is offered at about 10 days to 2 weeks of age and water is supplied at all times. While milk and skimmilk are being fed, they are supplied at the rate of 1 pound per 10 pounds liveweight.

The dry feed system just described was designed to replace the more tedious and costly procedure of using a calf meal gruel. Calf meals that were made to use as gruels probably could be fed in a dry feed system as a meal (coarse) or in pellet form. That this is the case is shown by the work at Cornell where a modification of the dry feed system was developed and called a "calf starter method," described in detail by Turk (12). This differs from the dry feed system previously described only in the nature of the ingredients used and in specifying that whole milk be fed for seven weeks in an amount not less than 350 pounds. Several calf starters have been tried at Cornell of which formula (C) is the simplest and contains ingredients that probably will be available. It will be noted that all vegetable protein is used in this combination. This starter (C) is a promising combination when animal proteins are expensive and hard to get. It may prove entirely adequate.

Cornell Calf Starter Formulas

	A Lbs.	B Lbs.	C Lbs.
Yellow Corn Meal	647.5	369.75	389
Rolled Oats	560		
Crushed Oats		400	400
Wheat Bran	200		360
Heavy Wheat Feed		300	
Linseed Oil Meal	100	200	400
White Fish Meal	60	100	
Dried Skimmilk	200	100	
Corn Gluten Feed	120		
Peanut Oil Meal		100	
Coconut Oil Meal		100	
Corn Oil Meal	40		
Molasses		100	160
Alfalfa Leaf Meal		100	100
Tomato Pomace		60	60
Brewers' Yeast	40	40	100
Irradiated Yeast		0.25	1
Ground Limestone	10	10	10
Steamed Bone Meal	10	10	
Dicalcium Phosphate			10
Salt	10	10	10
Cod Liver Oil (conc.)	2.5		

More than 15,000 calves have been successfully raised on the Cornell calf starter method using formula (A). This proves that the method is a practical one. In emergency feeding it may be necessary to give up animal proteins and enough work has been done at Cornell to show that formula (C) will do very well. If molasses is not available, substitute 80 pounds of corn and 80 pounds of crushed oats. If alfalfa leaf meal and tomato pomace are not available, use 2.5 pounds of cod liver oil concentrate, leave out the irradiated yeast and add 100 pounds of soybean oil meal and 57.5 pounds of wheat bran. Brewers' yeast has been found useful in the formulas but if it is not available or considered too expensive, corn meal may be substituted for it.

On the West Coast ground barley could be used in place of the yellow corn meal in formula (C). When this is done, the alfalfa leaf meal should be increased sufficiently to supply as much vitamin A as would be lost by removing the corn meal.

The limited-whole-milk, dry-calf-starter method requires approximately the following amounts of feed as a maximum for the first six months.

Whole milk	350 pounds
Calf starter	300 pounds
Fitting ration	280 pounds
Hay	675 pounds

At the University of Wisconsin (13) the following dry feed combination is recommended along with 470 pounds of whole milk over a 12 weeks period or 360 pounds of whole milk during the first seven weeks.

	Pounds
Yellow Corn Meal	600
Ground Oats	600
Soybean Oil Meal	280
Wheat Bran	160
Blackstrap Molasses	140
Alfalfa Hay (Ground)	120
Fish Meal or Skimmilk Powder	60
Bone Meal	20
Iodized Salt	20
	2000

From the available evidence in the literature, it would seem that the following milk feeding schedule can be applied whenever some form of dry feeding is employed.

Pounds of Whole Milk to Feed Daily

	Holsteins and Brown Swiss	Other Breeds
Calf left with cow first day	—	—
2nd to 7th day	8	5
2nd Week	9	6
3rd Week	10	7
4th Week	9	7
5th Week	7	6
6th Week	6	6
7th Week	4	5
8th Week	—	4
9th Week	—	3
10th Week	—	3
Total (69 days)	363	359

It should be remembered that if further conservation of whole milk seems necessary these allowances of milk can be reduced still further.

The dry grain mixture (meal or pellets) should be offered as soon as the calf will eat it. At first the calf will eat the starter in small amounts and it is important to use care in helping the baby calf to get started in a new way of obtaining its food. The calves should be allowed all they will eat twice a day until they are 12 to 16 weeks old when they will be consuming 4 pounds daily. When they get up to the 4 pound daily consumption level, gradual change is made to a simpler grain mixture such as the one listed below which has been used successfully over a period of many years with large numbers of calves. In those parts of the country where yellow corn is not available ground barley may be used.

	Pounds
Yellow Corn	560
Oats	600
Wheat Bran	600
Linseed Oil Meal	200
Steamed Bone Meal	20
Salt	20
	2000

At two weeks of age calves should be given all the good quality hay they can consume, and should be fed in racks. If hay is fed before two weeks of age it may cause digestion upsets. Good quality second-cutting clover and timothy mixed hay is excellent for calves. Straight legume hay may also be used, but care should be taken that it does not cause the calves to scour. High quality green leafy hay, liberally fed is of special importance for young calves receiving no milk. Silage may be fed but to no great advantage before the calves are one year old.

The success of any calf feeding program can be judged by the appearance and activity of the animal, the presence or absence of scours, and the apparent weight development. When a scale is available it is well to follow the weight of the calf periodically. If a scale is not available, a tape measure can be used to translate heart girth into body weight, since a close correlation between the two has been established. For convenience the following table from Kendrick and Parker (14) shows the weights of calves at various ages and the corresponding heart girth measurements obtained by placing a tape measure around the animal directly back of the front legs. The values given in the table should be taken as minimum.

WEIGHT AND HEART GIRTH OF HEIFER CALVES AT DIFFERENT AGES

	Ayrshire		Holstein		Guernsey		Jersey	
	Wt.	Heart Girth	Wt.	Heart Girth	Wt.	Heart Girth	Wt.	Heart Girth
	lb	inches	lb.	inches	lb.	inches	lb.	inches
Birth	72	28.9	90	30.8	65	22.3	53	27.4
1	89	31.1	112	33.9	77	25.5	67	29.8
2	119	34.3	148	37.0	102	30.0	90	32.5
3	158	37.6	193	39.9	133	33.5	121	35.4
4	198	40.8	243	42.9	173	37.5	158	38.1
5	245	43.2	297	46.0	216	40.5	199	40.9
6	293	45.4	355	48.7	260	43.0	243	43.7
8	389	50.2	462	53.2	350	47.8	324	48.4
12	538	55.7	632	58.9	490	54.5	450	54.0
16	669	59.6	782	63.6	605	59.0	558	58.6
20	793	63.3	912	66.7	712	62.3	642	61.9
24	902	66.3	1069	71.3	818	65.5	733	65.3

Feeding Calves and Heifers Six Months to Two Years Old

Calves six months old and over are all treated alike regardless of the previous feeding system. Their rations can be simple and cheap and at the same time be adequate. Good pasture and good hay are essential. Some hay is essential when calves are on pasture in their first year. The hay is necessary to develop their middles. It is amazing the amount of hay they will consume when the pasture is apparently adequate. Silage may or may not be used but some simple grain mixture should be fed. Monroe (15) has found that heifers fed grain grew better and produced more during the first lactation than did heifers fed roughage only. The grain mixture given above is satisfactory but with good pasture and good legume hay such a simple combination as equal parts of corn and oats should be adequate.

To take care of all conditions, it would be well to give the heifers free access to a mineral mixture. A satisfactory mineral mixture consists of 100 pounds of salt, 100 pounds of steamed bone meal, and 100 pounds of ground limestone, plus 3 ounces of potassium iodide if the salt used is not iodized. This mixture should be fed in a protected box to which the heifers have ready access.

Two months before calving, the heifers should get some extra attention because they should be in good flesh when they drop their first calves at 24 to 27 months of age.

A Suggested Schedule for Emergency Feeding

(If nurse cows are not used and whole milk is sold)

1. Allow the calves to suckle their dams for 1 to 4 days.

2. Pail feed the calf with small quantities of whole milk three times a day for a week. (A nipple pail is to be preferred).

3. Continue whole milk feeding according to the schedule on page 10.

4. Feed 2 teaspoonsful of fish liver oil or 2.0 cc. of fish liver oil concentrate daily for the first 6 weeks, especially during the winter months. Several kinds of fish liver oil and concentrates ordinarily are on the market. Some are sources of vitamin A only, some of vitamin D only and some contain both. Care must be taken to specify the purpose for which the oil is to be used and to check on the oil's rated potency. (If fish liver oils are not available, irradiated yeast or D-activated animal sterols can be used as sources of vitamin D. Carotene in some form can replace the oils as a source of vitamin A.)

5. Offer one of the dry feed mixtures (or any similar one), described under "Dry Feed Systems" starting at 1 week and continuing until the calf is 12 to 16 weeks old and is consuming at least 4 pounds daily.

6. Change to a simpler grain mixture (this page) that can be continued until freshening time.

7. Keep clean, bright mixed or straight legume hay in a rack before the calves at all times, starting at 2 weeks.

8. Keep water before the calves at all times. Be certain that the calves are drinking water at the time liquid milk feeding stops.

No matter how good the feeding program is trouble will be experienced if certain management and sanitation principles are violated. The following suggestions may be helpful in avoiding such trouble:

1. Keep calves in separate pens if possible.

2. Keep everything as clean as possible and sterilize daily the utensils that are used.

3. Treat each calf as an individual. No one program or schedule will apply to every animal.

4. Make a special effort to give the calves good hay.

5. Use little, if any, fly spray on calves.

If the dry feed system recommended were universally adopted there would be diverted for emergency purposes 500,000,000 pounds of whole milk and at least 2,500,000,000 pounds of skimmilk.

Literature Citations

1. Phillips, P. H.; Nutrition and Reproduction of Farm Animals. National Research Council, Reprint and Circular Series No. 112, May 1942. 12 pages. 2. Savage, E. S. and McCay, C. M. The Nutrition of Calves; a Review. Jour. Dairy Sci. 25: 595-650. 1942. 3. Bechdel, S. I., Hilston, N. W., Guerrant, N. B., and Dutcher, R. A. The Vitamin D. Requirement of Dairy Calves. Penn. Agr. Exp. Station Bull. 364, 1938. 26 pages. 4. Guilbert, H. R., Howell, C. E., and Hart, G. H. Minimum Vitamin A and Carotene Requirements of Mammalian Spec. Circ. 57. 1939. 4 pages. 6. Phillips, P. H., Lundquist, N. Monroe, C. F., and Hayden, C. C. The Value of a Milk Fat Substitute-Skim Milk Combination for Raising Bull Calves for Veal and Heifer Calves for Replacements. Ohio Exp. Sta. Spec. Circ. 57. 1939. 4 pages. 8. Phillips, P. H., Lundquist, N S., and Boyer, P. D. The Effects of Vitamin A and Certain Members of the B-complex upon Calf Scours. Jour. Dairy Sci. 24: 977-982. 1941. 7. Newman, P. E. and Savage, E S. The Use of Yeast in Calf Meals and Pellets. Jour. Dairy Sci. 21: 161-167. 1938. 8. Bender, C. B. and Perry, E. J. The New Jersey Dry-

(Continued on page 46)

Eastern News Notes

By Allen N. Crissey

The success of the New England Fall Sale, where 62 head averaged $325 with a top of $1,210 for bulls and $785 for females has been a great thing for the Holstein industry in the East. An increased tempo is noticeable in private transactions since this event at Northampton with a number of sales at $300 and over reported to the Association office and many inquiries for additional cattle wanted.

President T. E. Elder plans to call a program planning meeting of the Board of Directors of the New England States Holstein-Friesian Association soon and any suggestions that any breeder, group of breeders or State or County Association may have for the year's work should be forwarded at once to the Springfield office. This is your chance to let your Board know what you want done by the Association in planning its 1943 activities.

Osborn Prison Farm, Somers, Conn. is developing one of our great herds under supervision of G. L. Birdsall. Some Herd Test lactations just reported are:

3-9	3X	22,864	3.7	852.1
6-2	3X	25,140	3.2	814.2
4-10	2X	20,070	3.5	693.5
4-6	2X	17,437	3.6	623.3
3-7	3X	19,661	3.4	661.2
6-1	3X	19,490	3.5	678.5
3-9	2X	14,589	3.6	519.7
2-6	2X	13,549	3.8	520.0

University of Maine, Orono, Maine

8-7	3X	22,704	3.3	738.0
3-9	3X	15,287	3.7	562.7
2-4	3X	14,062	3.6	505.3
5-3	3X	16,492	3.3	549.1

Essex County Agricultural School, Hathorne, Mass.:

5-7	2X	12,736	3.9	494.3

Admiral Ormsby Fobes De Kol the "Excellent" sire selected by national director P. P. Van Nuys and Allen Crissey for Nicholas Kelly, Annandale, N. J. at the Convention Sale at Indianapolis has proved good with an HIR index on 11 pairs of 14,690 lbs. of 3.77% milk and 554 lbs. of fat.

Great Ormsby Dad Segis has completed an HIR 2X record for Tuli Bros., Seaford, Delaware of 16,699 lbs. milk, 549.1 lbs fat at 4 yrs. 6 months.

Essex Dandy Rainbow Belle has completed an HIR 3X record of 20,024 lbs. milk, 705.9 lbs. fat at 5 years 10 mnoths at Overbrook Hospital, Cedar Grove, N. J.

Essex Mooie Fairy Design made a 3X record of 20,161 lbs. milk, 686.6 lbs fat at 2 years 5 months.

Wm. E. Phillips & Son, Milford, N. J. reports a junior 3-year-old with an HIR 2X record of 12,055 lbs milk, 4.3%, 515.5 lbs fat.

NEWS FROM SHAW'S RIDGE

As announced in our news columns last time, National Director Harold J. Shaw has completed his fourteenth year of Herd Test at his Shaw's Ridge Farm at Sanford, Maine, for the second successive year going over the 500-lb mark with an average for the year of 14,109 lbs milk, 519 lbs fat, to give this herd a 14-year average of 458.7 lbs fat, leading all 14-year herds in Herd Improvement Registry.

Head of the herd is Baker Farm Dauntless, whose 20-pair index in HIR of 17,790 lbs milk, 4.33%, 770 lbs fat, still stands as the highest on record for a bull with so many pairs.

NEW ENGLAND PERSONALITIES
James G. Watson (left) publisher of New England Homestead, with National Director Harold J. Shaw, Sanford, Maine.

The New England States Holstein Friesian Association

President, T. E. ELDER, Alton, N. H.
Sec'y, HAROLD J. SHAW, Sanford, Me.
Treas., A. P. BIGELOW, Middlesex, Vt.
Address Correspondence to
ALLEN N. CRISSEY, Field Rep.
360 Worthington St., Springfield, Mass.

NEW ENGLAND BREEDERS
Please Take Notice

The Holstein business is BOOMING! Help us to help you make it even better by joining both this Association and your own State Association.

ANNUAL DUES NOW DUE
$2.50

of which 50c is returned to your State Association. If you wish to add 50c to your dues, you get a year's subscription to Holstein-Friesian World at no further cost.

A LOT OF VALUE FOR
$3.00

Still Going Up!

Our 14-Year Average in HIR
Just Announced As
458.7 Lbs. Fat

THE HIGHEST 14-YEAR AVERAGE IN HERD TEST

Having just completed our second 500-lb. herd average, we give a lot of the credit to BAKER FARM DAUNTLESS, whose first, second and third calf daughters now make up a substantial part of our milking herd.

We hope to have some figures on a new DAUNTLESS INDEX. At last report, his previous index of 770 lbs. fat, 4.33%, on 20 pairs was still "tops" for the breed for sires with so great a number of pairs.

Plan on a DAUNTLESS BULL for your next Herd Sire.

Shaw's Ridge Farm

HAROLD J. SHAW, Sanford, Maine
A Progressive Breeders Registry Herd

Our 8-Yr. Herd Average
38-C—10176 M. 3.6% 370.2 F.

Our 9th year soon to be announced Have maintained a 3.7% herd average test the past five years.

USING TWO 4.4% HERD SIRES
A son of one of them sold at Northampton for $530. If the public continues to set this price on our bulls, we may have to stop offering them at our modest farmers' prices. They are bred to transmit the things you want—high test, profitable production and pleasing type.

HARTSBROOK FARM
E. P. & O. C. West
Hadley, Mass.
Herd Negative From Vaccination

Carnation Creamelle Joe Homestead

Offering his bull calves, none priced above $250. We have 14 consecutive years of DHIA records, and every dam is sired by one of the other three herd sires we have used, all Carnation blood lines. Send for full information.

His Dam

CARNATION HOMESTEAD BESSIE
1119 F. 4% 28331 M. — At 5y
(Second on 1941 Honor List)

GRAHAMHOLM FARMS
ROCHESTER MINNESOTA
D. Christopher Graham, Owner
H. C. Anderson, co-owner and mgr.

Four Little Breeders

with

Seven Carnation Sires

By cooperating together we have been able to own seven high record bulls from Carnation Farms. Two are now proven, two others are nearly so, and the other three are in the process. We have sons of the following noted sires:

Matador Segis Ormsby
Carnation Chieftain
Carnation Peerless
Sir Inka May
Governor of Carnation
Carnation Governor Imperial
Carnation Renown

We can supply breeding stock from many different combinations of these sires—backed by HIR records, official classification, and from our T B and Bang's Certified herds.
Write to our secretary for the information you want.

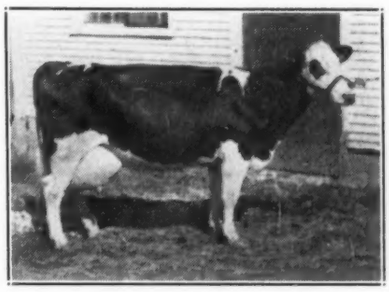
Sletta — Lien — Shellum — Schwingler

Holstein Bull Ring

OSCAR SLETTA, Sec.
Madelia Minnesota

One of the accompanying pictures is one snapped some time ago of Dauntless Crete Gold Walker, an inbred son of Dauntless, now approaching two years old and temporarily on lease at University of Maine. His dam is the highest record Dauntless daughter to date, Dauntless Crete Gold (Ex.), with three heifer records from 507 to 824 lbs fat, testing from 4.1 to 4.3% each year. The second dam is an Ormsby Direct daughter, also classified Excellent and with a great string of HIR records up to 20,885 lbs milk, 4%, 840 lbs fat and a life record in six lactations of 101,492 lbs milk with 3.77% test.

DAUNTLESS CRETE GOLD WALKER
Inbred son of Dauntless from his highest record daughter, junior sire at Shaw's Ridge Farm.



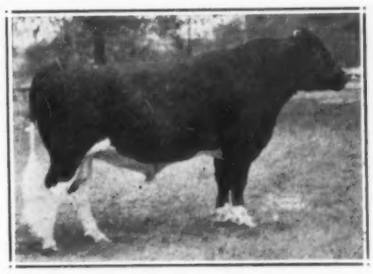
DAUNTLESS DIRECT TOGUS
A Dauntless daughter making a sensational second calf record at Shaw's Ridge Farm.

One of the choice things in the herd is Dauntless Direct Togus. When this snap shot was taken, she had just completed a good two-year-old record and was fresh again with second calf. Now 238 days later she is credited with 13,530 lbs milk, 481 lbs fat and promises to be one of the best record second calf daughters of her sire. As her name indicates, she is a Dauntless daughter from an Ormsby Direct dam.

DAUNTLESS COLANTHA RUTH
A Dauntless daughter with three heifers from records with 521 to 575 lbs fat on 3X.

The other Dauntless daughter pictured here is Dauntless Colantha Ruth, with three heifer form records from 521 to 575 lbs fat and testing up to 4.1% her best year. This picture was taken without benefit of posing by Harvey Copeland, who is in charge of the No. 2 farm at Shaw's Ridge, where the young stock and dry cows are maintained.

Prof. J. C. (Joe) Knott, widely known in the Holstein fraternity through his work as an inspector for herd classification for the Holstein-Friesian Association of America, and as a judge at many important shows, has been advanced in his own organization to the position of Director of Extension of Washington State College. On account of the demands of his position, he has tendered his resignation as official inspector. The dairy industry will be sorry to lose him from his former activities, but he will have the good wishes of all in his new responsibilities.



"BURKE"

Bull Calves By Our All-Americans of 1941

BURKE, All-American as a calf and senior yearling, was first this year as a 2-year-old at Milwaukee and St. Paul, third at Waterloo.

IVY PRINCE, All-American 2-year-old last year, was unbeaten in the three-year-old classes of 1942.

HILL-MAN FARMS
Rockford, Ill.

"IVY PRINCE"

WIMBLEDON EMPEROR RUBE

SIRED BY

CARNATION EMPEROR

From A Daughter of

Wimbledon Dean Marathon

He follows our 1000-lb fat son of North Star Joe Homestead, and our high index proven son of Carnation Prince.

We can supply young bulls of this breeding from HIR dams of real merit. Send us a postcard today for full information.

Vaniard Farms

HILLIARDS, OHIO

RAY VAN SCHOYCK, Owner

Bull Calves

by

SIR DEAN BARBETTA FOBES

He is the son of **Bess Ormsby Fobes Barbetta** which we own jointly with Maytag Dairy Farms.

Her Records:

8y 26394 M. 3.8% 991.4 F. (A)

4y 22381 M. 4.1% 992 8 F. (B)

"Dean" is sired by a Maytag junior herd sire, a son of Sir Bess Ormsby Fobes 73d.

The young calves we offer by **"Dean"** are from daughters of the proven twice All-American sire, Man-O-War Ormsby Posch, and other great cows in our herd which has just completed the following HIR average:

28 — C — 15185 M. 508.2 F.

M. & F. Deiling er Co.

PLAIN CITY, OHIO

Certified — Accredited

THE 149TH EARLVILLE SALE

(Continued from page 29)

S. L. Smith & Fay Hodge, Canajoharie, N. Y.
Male, Sir Pietertje Ormsby Merger 841801 (12-29-41) 310
(C. G. Willcox, N. Norwich, N. Y.)

J. Arthur Lee, Turin, N. Y.
Male, Consigned by Van Horne Farms, Inc., Van Hornesville, N. Y. 305

Warner A. Moore, Ghent, N. Y.
Nuway Inka Piebe 2d 2055653 (12-24-38) 315
(D. W. Morris & Sons, W. Winfield, N. Y.)

Albert C. Bristol, Copake, N. Y.
Franlein Mercedes Posch Sylvius 2183193 (3-5-40) 300
Tiny Thelma Creamelle Posch 2183189 (1-23-40) 250
(Wm. A. White, Cazenovia, N. Y.)

H. H. Benson, Beaver Meadow, N. Y.
Greenbanks Rag Apple Sally 49958C (4-24-38) 335
(C. E. Clark, Camden, N. Y.)
Hornercrest Imperial May Walker 2104204 (4-27-39) 330
(J. G. Horner & Sons, Samson, N. Y.)
O I C Pearl 2175982 (5-27-40) 280
(J. M. Freeman, Booneville, N. Y.)
Una Vale Parthenea Segis 2211181 (3-8-40) 250
(W. L. Benedict, Oneonta, N. Y.)

Edwin W. Button, Canajoharie, N. Y.:
Nora Rag Apple Posch (4-19-42) 295
(Butterfly Farm, Mexico, N. Y.)
Queen Maryland Posch 2183190 (2-1-40) 285
(Wm. A. White, Cazenovia, N. Y.)

W. C. Knapp, Fabius, N. Y.
Male, Van Horne S O Mooie King 837568 (12-2-41) 255
(Van Horne Farms, Inc., Van Hornesville, N. Y.)

Leonard Blood, Johnstown, N. Y., (4)
Alcartra Veeman Abbekerk 467616C (6-15-40) 280
(Wm. A. Scott & Son, Stella, Ont.)
Meadow Edge Prilly Ormsby 2146910 (-10-36) 250
(Ralph T. Lewis, Sherburne, N. Y.)

Ada Damon, Groton, N. Y., (5)
Violet Triumph 1751031 (11-18-34) 265
(E. P. Smith, Sherburne, N. Y.)

Donald Baucus, Melrose, N. Y.
Phyllis Korndyke Nixola 2d 2103777 (1-15-40) 250
(Wesley J. Edwards, Marathon, N. Y.)

W. J. Wigsten, Horseheads, N. Y., (5)
St. Elmo Pet Francy 415999C (4-1-35) 280
(Stewart Fisher, Vernon, Ont.)
Plum Ormsby Starter 2044451 (8-17-38) 275
(Arnold Kegebein, Munnsville, N. Y.)

Alfred Carroccio, Hamilton, N. Y., (2)
Segis Copia Lass 362551C (6-5-40) 250
(Joseph O'Neil, Navan, Ont.)

Richard H. Merrick, Brewster, N. Y., (6)
Onyx Inka Thendara 2033837 (2-23-39) 270
(Frank N. Decker, Syracuse, N. Y.)
Claridge Teake Lola Astire 2070421 (3-24-39) 290
(Edwin W. Button, Canajoharie, N. Y.)

Larson Bros., Stone Ridge, N. Y.:
Male, Clovercourt Carnation Hill Inka (10-22-41) 250
(Peter Martens, Bainbridge, N. Y.)

Gray Bros., Rushville, N. Y.: (2)
Hannah Korndyke Nylo 2194511 (6-15-40) 250
(E. O. Christman, St. Johnsville, N. Y.)

M. J. Stas, Fabius, N. Y.
Minnie Inka Maid 2102182 (3-10-38) 270
(Alethea & Floyd Wilcox, Fulton, N. Y.)

Davey Bros., Marcellus, N. Y.
Male, Nornercrest Walker Mutual 837279 (10-27-41) 280
(J. G. Horner & Sons, Samson, N. Y.)

Raymond Cronk, Grand Gorge, N. Y., (4)
Credholme Francy Jemima 47571C (7-21-40) 250
(J. M. Fraser, Streetsville, Ont.)

O. S. Williams, Rushville, N. Y.
Golden Valley Rag Apple Countess 644566C (4-18-40) 270
(Campbell Bros., Vernon, Ont.)
Fradod Sylvia Dewdrop 480493C (11-24-40) 280
(T. O. Dolson, Brampton, Ont.)

Fay Hodges, Ames, N. Y.
Minnie Veeman Bessie 1915060 (12-10-36) 295
(Arnold Kegebein, Munnsville, N. Y.)

S. L. Smith, Canajoharie, N. Y., (2)
Star Ormsby Veeman Bessie 1915059 (12-10-36) 270

Victor Rhinegold, E. Schodack, N. Y.
(Arnold Kegebein, Munnsville, N. Y.)
Silver Supreme Pontiac 460662C (5-2-40) 270
(Chas. M. Gibbs, Syracuse, N. Y.)

D. Russ, Mt. Upton, N. Y.
Bella Nora Mercedes 419097C (6-15-39) 285
(E. R. Fairbanks, Jamesville, N. Y.)

Parsons Bros., Gloversville, N. Y.
Nobleton Abbekerk Tensen 340179C (7-1-35) 290
(Norman Robb, Nobleton, Ont.)

Geo. Moore, Mesoppen, Pa., (3)
Stevens Farm Starlight 2075588 (10-15-39) 250
(Fred L. & Robert P. Stevens, Pennellville, N. Y.)

Other buyers included (New York): Lucy Scovil, Copenhagen; **Avery Countryman**, Canajoharie; **Paul Carmen**, Binghamton; **W. C. Knapp**, Fabius; Robert E. Moore, Cherry Valley; **Gerald Bellinger**, Ft. Plain; **Harry A. Rider**, Clayville; **Max Myzal**, Gloversville; **Donald A.** Jackson, Greene; Kenneth W. Davis, W. Winfield; Florence Countryman, Canajoharie; A. W. Caldwell & Son, McDonogh; **Paul Smith**, Newark Valley; Gaines B. Seymour, Greene; James Baran, Auburn; S. M. Gray, Laurens; Harold Talbot, W. Winfield; Jack H. Carmen, Union; Preston Mabel, Bellvale; Wesley S. Smith, Penn Yan; **Zar Benedict**, Eaton; C. Glorie, Oxford; W. A. Caldwell, McDonogh; E. P. Smith, Sherburne; Howard Fero, Canajoharie; Carl R. Benson, Beaver Meadow; **John R. Frost, Jr.**, Munnsville; I. U. Scott, Hamilton; Geo. Smith, Port Byron; E. S. Crump, Pittsford; Herman Schneider, Lowville; **Elmer E. Boutwell**, Edmeston; P. E. **Trask**, Hamilton; Countryman Bros., Canajoharie; Chas. Liechty, Boonville; George H. Carmen, Union; Joe Crowley, **Jr.**, Hudson Falls; Ishmael Dorsey, Mexico; Thomas Hall, DeRuyter; C. M. **Frost**, Munnsville; Geo. F. Guller, New Berlin; Elmer Marshfield, Marcellus; Arthur L. Long, Factoryville, Pa.; Harry Cewell, Eaton, Pa.

U. S. CHAMPION DIES

Marquette Pride De Kol, the U. S. champion fat producer on 3X milking with her record of 1152.8 lbs. fat in 365 days, died recently at the farm of her new owner, Glenn L. Bancroft, Flint, Mich. Mr. Bancroft purchased this prominent young cow for $2200, the top price for females, in the 1942 Royal Brentwood Sale. Following the sale, she went back to Marquette State Prison farm at Marquette, Mich., her breeders, for completion of her record, and then after drying off was delivered to Mr. Bancroft. She freshened with a lovely heifer calf, sired by a son of her 1000-lb. 4-year-old sister, Marquette Star Burke, and unfortunately died shortly after from complications following calving. We understand she was protected by insurance for this period.

The War Production Board has set new farm machinery production quotas at about 20 percent of 1940 production, making repair and maintenance of present farm machinery even more important than last year.

MICHIGAN STATE SALE

(Continued from page 27)

consignment, the four totalling $1,560.

C. B. Smith did the selling, with Secretary Martin Buth, Jr., reading pedigrees. Hugh Aldrich was sale manager, assisted by a highly competent sale committee composed of M. D. Buth, Morris Place, George Schaffer, Chas. Figy and W. R. Kirk.

Following is the list of buyers, with details of animals selling above $250:

D. R. Mitchell, Ionia, (13)
Male, Ingleneuk Emperor Rag Apple 853245 (9-7-41) $860
(John A. Rinke, Warren)
Towerline Aura Ormsby Alexis 2035095 (2-21-39) 500
(Henry R. Bourassa, Linwood)
Runningwell Magdelina Veeman 2012069 (11-16-38) 500
(Gerrit J. Buth, Coopersville)
Rose Brook Burke Inka 1939177 (1-21-37) 390
(R. A. Potter, Wayland)
Blackie Sylvia May 2103042 (5-15-36) 360
(Howard Steinacker, Howell)
Lady Johan 1858361 (12-9-35) 360
(Fred E. Martin, Owosso)
Rinkland Bessie Kathleen 2188273 (7-4-40) 350
(John A. Rinke, Warren)
Johan Triune 2184153 (12-20-39) ... 325
(Fred E. Martin, Owosso)
Towerline Dell Ormsby Fayne 2089815 (7-3-39) 320
(Henry R. Bourassa, Linwood)
Emmons Farms Diamond Dot 2168455 (5-25-40) 300
(S. J. Emmons & Sons, Morenci)
Van Hoosen Baroness Ona Hazel Ricka 2046282 (4-15-39) 285
(Sarah Van Hoosen Jones, Rochester)
Cozywood Pontiac Lu Lu Bell (11-22-35) 250
(Delbert Conley, Alma)

John E. & Mabel Smith, Horton
Winterthur Fobes Great Tolella 2000339 (9-25-38) 520
(W. C. Tullis, Monroe)

Fred P. Currier, Grand Rapids
Queen Colantha Pearl Pietertje 2007236 (2-4-38) 510
(W. C. Tullis, Monroe)
Ionia K B K O Aaggie 2036491 (8-28-38) 390
(M. D. Buth & Sons, Comstock Park)
Rinkland Bessie Burke Sally 2188272 (3-31-40) 340
(John A. Rinke, Warren)
Red Rock Triune B Beauty 2085840 (2-24-39) 320
(Gerrit J. Buth, Coopersville)

E. W. McDermid, Battle Creek
Sharley Iowana Ormsby 2173292 (8-23-40) 410
(J. E. Burroughs, Flint)
Lady Belle West Barre Pride 1926003 (10-20-36) 260
(S. J. Emmons & Sons, Morenci)

Harold F. Redman, Alma, (3)
Farfields Prilly Pietertje 2176135 (3-31-39) 380
(W. C. Tullis, Monroe)

Mrs. Ruth Ragen, Big Rapids
Rainbow Meredith Bess Rose 2159081 (12-27-39) 375
(Robin Carr, Fowlerville)

H. J. Chittendon, Toledo
Farfields Lady Ormsby 2081826 (7-1-39) 360
(W. C. Tullis, Monroe)
Creston Bonnie Triune 2017680 (8-25-38) 305
(M. D. Buth & Sons, Comstock Park)

Glenn A. Bancroft, Flint
Creston Dorothy Creamelle 2073928 (11-15-39) 350
(M. D. Buth & Sons, Comstock Park)
Branchton Paula Jenny 2295231 (11-16-37) 350
(Leo McClellan, Davison)

I. L. Cardwell, Imlay City
Lakefield Bessie Creator Julia 2203450 (9-17-40) 330
(Lakefield Farms, Clarkston)

A. J. O'Connor, Flint
Towerline Leta Ormsby Alexis 2035093 (10-5-38) 320
(Henry R. Bourassa, Linwood)

Hart & Beaman, Parma
B B Alcartra De Kol Lyons Ormsby 2172198 (3-1-40) 315
(W. R. Kirk & Sons, Fairgrove)
Towerline May Ormsby De Kol 1850754 (8-27-35) 310
(Chittenden Farms, Temperance)

G. W. Carter & Son, Flat Rock
Beechcote Lady Pabst 2148914 (12-27-39) 305
(Leo McClellan, Davison)

John T. Schubel, Okemos
Van Hoosen Heilo Aaggie 1948426 (10-14-37) 305
(Sarah Van Hoosen Jones, Rochester)
Dowling Maggie Ormsby 2151606 (12-18-39) 250
(Lloyd A. Gaskill, Hastings)

Chas. Rathfoot, Grand Ledge
Farfields Pet Ormsby 2170800 (5-24-40) 300
(Merlyn Knapp, Monroe)
Blythefield Ormsby Pauline 1904508 (9-1-36) 265
(Gerald Poest, Zeeland)

Phillip Miller, Flint
Echo Lois 2148994 (8-14-40) 300
(J. E. Burroughs, Flint)

Don Rice, St. Johns (5)
Fobes Canary Ona 2035458 (12-12-36) 295
(Chittenden Farms, Temperance)
Rosy Hengerveld Ormsby (9-3-38) . 280
(Kenneth Steinacker, Howell)

Stan Commonwealth, Albion (5)
Vehicle City Sonja Walker 2051050 (9-17-38) 280
(John Calvert, Flint)
Waker View Divie Ormsby Vanity 2137248 (3-26-39) 265
(M. D. Buth & Sons, Comstock Park)

Roy J. Miller, Ithaca
Brookvale Prilly Mercena 2041750 (5-29-39) 280
(Arthur C. White, Howell)

Walter Broadworth, An Gres
Archolm May Sensation 2116223 (6-18-36) 275
(Elmer Williams, Hartford)

O. F. Rowell, Belding (4)
Figy Ypsi Lakefield Edith 2279314 (10-5-40) 275
(Chas. Figy, Morenci)

J. C. Pack, Fenton
Male, Lakefield Piebe Rowsdale 845278 (9-23-41) 275
(Lakefield Farms, Clarkston)

C. Van Aken, Ypsilanti (2)
Fobes Segis Walker Lass 2116443 (4-29-39) 265
(L. C. Hunt & Son, Eaton Rapids)

Win P. Peters, Lyon
Rose Brook Sylvia Ormsby 1901487 (5-2-36) 260
(R. A. Potter, Wayland)

Elmer Williams, Hartford (2)
..h awana **Garnet Change** 2225046 (3-31-40) 260
(J. F. Bowlby, Ovid)

John Waddell, Ludington
Brookvale De Kol Fayne Aaggie 2332664 (2-10-40) 260
(Arthur C. White, Howell)

Ralston & Turner, Williamston
Lady Belle West Barre Pride 1926003 (10-20-36) 260
(S. J. Emmons & Sons, Morenci)

Roston Mehney, St. Johns (2)
Vale Echo Segis Carnation 2202822 (11-5-39) 260
(Elmer Williams, Hartford)

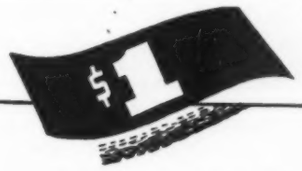
H. L. Hewitt & Sons, Elkton
Colantha Sylvia Nig 2104651 (9-7-37) 255
(Paul Steinacker, Fowlerville)

Other buyers were: March A. Eaton, St. Johns; O. P. Rowell, Belding; Fr. Ruggles, Milford; W. A. Ravell, Belding; Herman F. Schmidt, Grace Lake; Myron & Lester Howe, Dewitt; John Kaechel, Wayland; T. J. Segerlinl, Gr. Ledge; Otto Lolpke, East Lansing; Clifton Lutz, Cerisco; Geo. J. Hamp, Jackson; L. C. Brooks, Durand; M. J. Bishop, Belding; Lester Weaver, Marshall; Ted and Alice Turan, Williamston; John D. Horst; Akron; Henry Wohlert, Lansing; Mrs. L. C. Glenn, Pinckney; Anway, Williamston.

Creamery butter holdings in the United States totaling 87 million pounds were the lowest for November 1st since 1932.

HOW CHAMPIONS ARE KEPT IN CONDITION

King Bessie Senator (center) and Dictator Ormsby Oak (left) respectively grand champion and reserve grand at Waterloo, do their daily dozen on the Ravenglen Bull Exerciser, designed and built under the direction of Owner E. H. Ravenscroft. The bull at the right is King Bessie K O of Ravenglen.



ONE DOLLAR
May Do The Trick
Where All Else Has Failed

AMBURGO WHEAT GERM OIL (prepared especially for us by General Mills) has in many instances influenced successful gestation and lactation where everything else had failed with shy breeders

Wheat Germ Oil

(Cold-pressed and Biologically tested)
Send your check, money-order or stamps for one dollar and get your trial size, 4 oz. can. Keep up your poultry production, livability and hatch-

THE Amburgo CORP.
FEED IMPROVEMENT SERVICE
BROAD ST. at NEDRO • PHILA., PA.

We Have the "Goods" on

Milco Hoesly Star

His first six daughters to complete A. R. records average:

14038 Milk 3.61% 507.4 Fat

5 in class B — 1 in Class C. Average age of 28 months (all as 2-year-olds).

THEY HAVE "IT"

They are as nice in type, and as uniformly good in the udder, as anything we have bred. They are all well above the breed average in test. They'll make big, rugged cows.

"STAR" is sired by a ¾ brother to Johanna Rag Apple Pabst that was in service here 14 years. On his dam's side he is intensely Homestead-bred. We offer a fine selection of "Star" sons from A. R. and DHIA dams with outstanding records.

Send For Information

Milwaukee Co. Institutions

WAUWATOSA, WIS.

Accredited — Approved

E. C. THOMPSON, Farm Mgr.

MARYLAND STATE SALE

(Continued from page 28)

Geo. R. Moffett, Chestertown, Md.: (6)
Locvale Doss Hem 2195346 (1-7-40) 275
(Locvale Farms, Middletown, Md.)
Anderson Farm Lady Echo 2152124 (12-8-39) 270
(Anderson Farm, Woodlawn, Md.)

C. K. Holter, Jefferson, Md.:
Male, Dunloggin Banmaster 844854 (2-21-42) 260
(Dunloggin, Ellicott City, Md.)

Spring Grove State Hospital, Catonsville, Md.: (5)
Bessie Creator Click 2167394 (5-8-40) 285
(Page K. Ifert, Middletown, Md.)
Kentsdale Tietje Matador Ormsby 2195242 (10-9-40) 260
(Sister of Mercy, Kentsdale Farm, Bethesda, Md.)

Walter E. Kriel, Hampstead, Md.: (3)
Rolling Knoll Inka Sterling Jewel 1876775 (1-2-36) 295
Bellevue Eona Iowa 1857987 (12-20-35) 275
(McKendree Waker & Sons, Gaithersburg, Md.)

W. Franklin Moffett, Chestertown, Md.:
Rolling Knoll B B F Chieftain 2200829 (11-19-40) 255
(McKendree Walker & Sons, Gaithersburg, Md.)

H. Vichers Bowers, Chestertown, Md.:
Kentsdale Tietje Fayne 2178226 (9-3-40) 295
(Sisters of Mercy Kentsdale Farm, Bethesda, Md.)

M. L. Dode, Jefferson, Md.:
Male, Wimbledon Branline Matchmaker 832413 (9-4-41) 250
(Wimbledon Farms, Annapolis, Md.)

S. R. Spaulding, Herndon, Va.: (3)
Ona Canary Burke Pansy 2195362 (9-15-40) 280
(Ira D. Ifert, Middletown, Md.)

John C. Metzler, Christiana, Pa.:
M H C Jewel Belle Konigen 1786942 (3-25-35) 275
(Maryland House of Correction, Jessup, Md.)

Other buyers: (Maryland) George L. Dean, Jefferson; Pet Milk Co., Greensboro; Glenn S. Garner, Westminster; Mrs. Hazel Moffett, Chestertown; A. Doty Remsberg, Jefferson; Frank W. Beasman, Sykesville; Harry A. Bolten, Galena; Clarence D. Cullen, Rising Sun; David O. Cullen, Rising Sun; Paul A. Stockman, Jefferson; Philip D. Robinson, Brandywine; F. Bennett Carter, Centerville; Woodstock College, Woodstock; Endowood Sanatorium, Towson; Billy Sutton, Chestertown; Olin S. Davis, Galt; Albert Stride, Frederick; C. Harvey Freeman, Galena; Daisy D. Galbreath, Street; James D. Davis, Galena; C. Chas. Smith, White Hall; Geo. Bingnear, Kennedyville; Arthur M. Lusby, Kennedyville; Harold N. Wiley, White Hall; Chas. R. Hope & Son, Purcellville, Va.; C. M. Warner, Purcellville, Va.; Everett Duncan, Fawn Grove, Pa.; Frank W. Fernsler, Lebanon, Pa.; Paul W. Longnecker, Strasburg, Pa.; Grace A. Meyers, Thomasville, Pa.; Edwin H. Meyers, Bareville, Pa.

JOHN J. BLOOMFIELD EST. DISPERSAL

(Continued from page 31)

E. D. Russ, Mt. Upton, N. Y., (2)
Alcartra Sadie Netherland 2056418 (11-10-38) 300

Roy D. Hoffman, Marietta, N. Y., (2)
Comyncroft Annie Rooney Olath 1698535 (8-12-33) 300

A. Leonardo, Dryden, N. Y.
Netherland May Creamelle 2056426 (2-25-39) 275
Lady Ormsby May Alcartra 2056425 (12-17-38) 260

Walter J. Rejman, Venice Center, N. Y.: (3)
Saltroad Segis Ormsby 2d 1913719 (9-1-36) 295
Ormsby Jennie Walker 1956392 (8-20-37) 255

Sam Rainbow, Cuyler, N. Y., (8)
Inka Pietje Posch 2187784 (10-22-40) 275
Flossie Ormsby Posch Colantha 2187782 (10-13-40) 275
Ormsby Mercedes Colantha Posch 2180326 (10-7-40) 275
Mercedes Ormsby Korndyke Posch 2180325 (9-13-40) 265
Phyllis Ormsby Posch 2180327 (10-8-40) 255

W. R. Hildreth, Truxton, N. Y.
May Inka Ormsby Alcartra 2146590 (11-17-39) 290

Norwood Mitchell, Seneca Falls, N. Y.
Walker Jennie Fayne 1855205 (8-26-35) 265

Emil Daniluk, Camillus, N. Y., (2)
Ormsby Alcartra Netherland 2146584 (9-6-39) 250

Leo L. Linton, Geneseo, N. Y.
Countess Walker Ormsby 1924816 (10-18-36) 260

Ned Freeman, Cincinnatus, N. Y., (2)
Nora Clyde Canary 2010430 (2-20-38) 265

George Samson, Tully, N. Y., (2)
Segis Blanche Ormsby 1969402 (4-2-38) 270

Clyde Clark, DeRuyter, N. Y.
Lady Sadie Fayne 2056427 (8-11-39) 275

Other buyers (all New York): John Samson, Cortland; Thomas Lonergan, Homer; Clinton Fox, Cincinnatus; Elwyn Winne, Truxton; John Casey, Groton; S. C. Ball, Auburn; Theodore Harrier, Seneca Falls; C. Tyler 2d, Gasler; Ralph C. Montgomery, Groton; K. D. MacPherson, Truxton; J. T. Reagan, Marcellus; John L. Casey, Homer; C. A Dorwood, DeRuyter; Walter Barber, Manlius; Paul Kinkel, Weedsport; R. W. Tompkins, LaFayette; Mike Lucik, Binghamton, Kenneth Young, Cortland; W. J. Price, Homer; Robert E. Wilkens, Homer; Kenyon W. Warner, Geneseo; Leon D. Gill, Chaffee; James Vitale, Auburn; Howard Marshall, Avon.

Our Junior Sire — McDonogh Gold Rush

Sired by "Pure Gold"—our son of Woodmaster out of the 4.5% All-American, Dunloggin Bessie Homestead.

His dam, Evergreen Pride Johanna, with 732.4 lbs fat, Class B, at 10 years, is three-quarter sister to New Year Belle (1038-lb fat dam of Admiral Lauxmont and maternal sister to "Bessie Homestead"). She is sired by Johanna Rag Apple Pabst 3d, and is dam, also, of our senior sire, McDonogh Lieutenant. This is intense line-breeding. Let us know what you think of it.

"We Are Always at Home"

McDONOGH SCHOOL — McDonogh, Maryland

Accredited Address R. N. WILLS Certified

DEPENDABLE
Sales and Service

We have devoted over 28 years of continuous service to breeders in the marketing of pure bred Holstein cattle, sometimes at public sale, other times at private treaty. We recently sold 65 head of pure bred Holsteins at private treaty.
If you have an entire herd or even a small number we would be glad to advise with you as to the best means of marketing them to advantage.

Write—

W. L. Baird, Waukesha, Wis., or Francis Darcey, Watertown, Wis.

WANTED—Competent herdsman and working farm manager to manage farm and herd of Holsteins and Jerseys in Northeastern Pennsylvania. New and up to date barns and machinery. Would prefer middle aged man. Permanent position, good wages with vegetables, milk, fuel and light. Please state salary expected, experience and references. Box 236, Holstein-Friesian World, Lacona, N. Y.

WANTED—Competent married or single cow man in modern dairy barn. Cows machine milked twice daily. Wages $100 per month and 2 qts milk daily. Rent $12 to $14 or board $9 to $10 per week. Write or call H. K. BROWN, Arden Farms Dairy Co., Arden, N. Y.

ADVANCED REGISTRY REPORTS

Holstein-Friesian Association of America

A. R. Report No. 5

This report covers 128 Advanced Registry records and 99 herd averages. Cherokee Hengerveld Fobes 3d 1491317 is reported with a ten-year-old, 365-day, Classification B record of 20,397.1 lbs. milk, 3.3% fat and 680.8 lbs. butterfat, which gives her in seven lactations a total of 132,819.7 lbs. milk, and 4,723.3 lbs. butterfat. Her breeder and owner is Cherokee State Hospital, Cherokee, Iowa.

In the Herd Test report, eight herds have averages above 500 lbs. fat and 54 are between 400 and 500 pounds. The leading herd average is that for the herd owned by Lewis A. Zimmerman, Lehighton, Pennsylvania, with the average of 17,927 lbs. milk, 3.5% fat and 635.9 lbs. butterfat on 16 cows milked 3X daily.

Name of Cow, Sire, Breeder and Owner	Age y.	m.	d.	L. of R.	Milk lbs.	Per ct.	Fat lbs.
TEN-MONTHS DIVISION A							
Full-Aged Class							
Tapawingo Clarissa Jewel 1645150 (King Piebe Mutual Jewel)	8	5	9	305	201	20936.8	3.5	728.6
B. & O., H. R. Rosenbury, Rochester, Ind.							
Dolores Pentone Cynthia 1883291 (Pentone Cynthia Hoesly)	6	1	7	305	191	19142.5	3.5	674.0
B., A. L. Sandberg, North Bend, Wis. O., Wisconsin State Reformatory, Green Bay, Wis.							
Prospect Clothilde Ormsby 1523379 (Ormsby Lockhart Korndyke)	10	0	25	303	235	18687.1	3.6	663.8
B., C. E. Lehman, Goshen, Ind. O., H. R. Rosenbury, Rochester, Ind.							
Carnation Prospect Inka Beauty 1742927 (Sir Inka May)	6	8	0	305	180	17924.7	3.5	629.9
B., Carnation Milk Farms, Seattle, Wash. O., S. S. Smith, Lima, Ohio							
Wisconsin Cherry Queen 1835752 (Man-O-War Lassie Ormsby Lad)	5	5	16	305	168	17288.1	3.6	626.6
B. & O., Wisconsin State Reformatory, Green Bay, Wis.							
Penstate Veeman Josie 1611012 (Clover Heights King Veeman)	8	1	12	305	163	19760.1	3.0	593.2
B. & O., Pennsylvania State College, State College, Pa.							
Lashbrook Inkamara Ormsby 1831739 (Dean Colantha Segis Ormsby)	5	9	26	305	222	17215.1	3.1	530.8
B. & O., Donald Lashbrook, Northfield, Minn.							
Senior Four-Year Class							
Royal Ormsby Dawn Piebe 1903064 (W I S Royal Evergreen Segis	4	10	18	305	199	15866.3	3.8	604.5
B., Fred Beckman, Prairie View, Ill. O., Beckman Brothers, Prairie View, Ill.							
Lashbrook Helen Fobes 1912340 (Governor Fobes Longfield)	4	8	8	305	172	16908.0	3.4	574.8
B. & O., A. J. Lashbrook, Northfield, Minn.							
Senior Two-Year Class							
Segis Aaggie Prospect 2046499 (Carnation Homestead Prospect)	2	6	7	305	167	17224.9	3.1	542.5
B. & O., S. S. Smith, Lima, Ohio							
Redfield Model Johanna Piebe 2010704 (King Bessie Model Johanna)	2	6	10	305	179	12351.9	2.9	359.6
B. & O., State School & Home, Redfield, S. Dak.							
Junior Two-Year Class							
Wisconsin Eva Pride 2048631 (Pabst Cascader Pride)	2	1	21	305	190	13601.4	3.6	490.4
B., A. L. Godfrey, Elkhorn, Wis. O., Wisconsin State Reformatory, Green Bay, Wis.							
Wisconsin Harriet 2025958 (Dunloggin Standard)	2	2	20	305	180	11056.1	4.3	475.5
B., J. Natwick, Ellicott City, Md. O., Wisconsin State Reformatory, Green Bay, Wis.							
Wis Lady Creator 2025956 (Wisconsin Admiral Burke)	2	1	3	305	203	12010.5	3.6	426.4
B. & O., Wisconsin State Reformatory, Green Bay, Wis.							
Redfield Model Bess Segis 2010718 (King Bessie Model Johanna)	2	3	4	305	214	11739.8	3.6	420.4
B. & O., State School & Home, Redfield, S. Dak.							
YEARLY DIVISION A							
Full-Aged Cows							
Vans Ormsby Pippin 1900222 (Carnation Joe Fayne Romeo)	8	10	2	365	108	26580.9	3.3	883.2
B., J. W. Vanlue, Rochester, Ind. O., H. R. Rosenbury, Rochester, Ind.							
Lyons Josie Ormsby 1719110 (Best Ormsby Florian)	8	1	10	365	207	24239.9	3.2	763.6
B., Roy Jones, Rochester, Ind. O., H. R. Rosenbury, Rochester, Ind.							
Yankton Lady Echo Ormsby 1814488 (Yankton Ormsby Pietertje)	5	6	0	365	185	16311.4	3.5	562.9
B. & O., Yankton State Hospital, Yankton, S. Dak.							
Redfield Wa Wa Pansy 1836152 (Redfield Pietertje Wa Wa)	5	6	20	365		15618.4	3.6	557.1
B. & O., State School & Home, Redfield, S. Dak.							
Senior Four-Year Class							
Royal Ormsby Dawn Piebe 1903064 (W I S Royal Evergreen Segis)	4	10	18	365	259	17558.5	3.9	681.1
B., Fred Beckman, Prairie View, Ill. O., Beckman Brothers, Prairie View, Ill.							
Yankton Bertha Korndyke 1877503 (Redfield Pietertje Korndyke)	4	6	5	365		15795.8	4.3	673.1
B. & O., Yankton State Hospital, Yankton, S. Dak.							
Senior Three-Year Class							
Yankton Fobes Pride 1917153 (King Pride Piebe Fobes)	3	10	12	365	187	14827.4	3.4	502.5
B. & O., Yankton State Hospital, Yankton, S. Dak.							
Junior Three-Year Class							
Yankton Pontiac Bessie 1973415 (King Bessie Plus Dixie 2d)	3	2	24	365	193	12217.7	3.6	445.1
B. & O., Yankton State Hospital, Yankton, S. Dak.							
Senior Two-Year Class							
Cherokee Lady Thorn 2003347 (Rensink Joe Champion Homestead)	2	7	25	365	207	19077.8	3.5	671.9
B. & O., Cherokee State Hospital, Cherokee, Iowa							
Redfield Segis Pietertje Ione 1956351 (Redfield King Segis Pietertje)	2	6	14	365	68	15602.9	3.1	483.6
B. & O., State School & Home, Redfied, S. Dak.							
Junior Two-Year Class							
Quonquont Scarlet O'Hara Modest 2033592 (Quonquont Sir Modest)	2	4	11	365		16501.6	3.7	611.2
B. & O., F. U. Wells, Whately, Mass.							
Wisconsin Rose Sensation 2048640 (Dunloggin Admiral Sensation)	2	2	16	233		13884.9	3.2	446.6
B. & O., Wisconsin State Reformatory, Green Bay, Wis.							
Redfield Gypsie Burke 2076792 (King Bessie Gypsie)	2	1	21	365		13837.4	3.2	442.7
B. & O., State School & Home, Redfield, S. Dak.							
YEARLY DIVISION B							
Full-Aged Class							
Lauxmont Rag Apple Polkadot 1791073 (Montvic Rag Apple Netherland)	6	2	2	365		21664.3	4.0	856.5
B. & O., Lauxmont Farms, Wrightsville, Pa.							
Lady Pietertje Skylark Ormsby 2023401 (Sir Ormsby Lass Pontiac)	6	6	26	365		23057.7	3.7	853.1
B., G. J. Weidman, Cedarburg, Wis. O., Pabst Farms, Oconomowoc, Wis.							
Bellevue Ormsby First Lady 2d 1712437 (Ormsby Sensation 45th)	7	1	11	365	171	22195.8	3.9	851.0
B. & O., Bellevue Farms, Hyattsville, Md.							
Mary Ormsby Pansy 1658459 (Sir Triune Pansy 35th)	8	4	12	365		21067.0	3.8	810.9
B., Geo. Stroebel, Ft. Atkinson, Wis. O., Hawthorn Farms, Libertyville, Ill.							
Osborndale Estelle Inka Ormsby 1792376 (Sir Bess Ormsby May)	6	4	2	365	202	20193.4	3.9	788.2
B. & O., Mrs. W. S. Kellogg, Derby, Conn.							
Pester Ellen Tritomia Frysian 1812358 (Iowana Tritomia Frysian Commander)	6	4	28	365	241	20544.2	3.7	764.3
B., J. H. Pester, Whitewater, Wis. O., Pabst Farms, Oconomowoc, Wis.							
Correction Ormsby Lorain 1835230 (Correction Ormsby Chap)	5	9	27	365	209	18799.6	3.7	694.2
B. & O., Milwaukee Co. House of Correction, Milwaukee, Wis.							

Name of Cow, Sire, Breeder and Owner	Age y.	m.	d.	L. of R.	Milk lbs.	Per ct.	Ft lbs.
Pabst Monsader Lake Valley 1813156 (Montvic Pabst Rag Apple) B. & O., Pabst Farms, Oconomowoc, Wis.	5	7	24	365	230	19248.9	3.6	693.4
Cherokee Hengerveld Fobes 3d 1491317 (Segis Lad Pietertje Ormsby) B. & O., Cherokee State Hospital, Cherokee, Iowa	10	3	16	365		20397.1	3.3	680.8
Rivermead Olena 1762118 (King Bessie Ormsby Boast) B., R. B. Arnold, Milan, Pa. O., Abraham Eller, New Paltz, N. Y.	6	7	17	356	234	17996.4	3.7	659.4
M S P Korndyke Canary Veeman 1609088 (Reformatory King Korndyke) B. & O., State Prison of Southern Michigan, Jackson, Mich.	8	4	9	365	167	21836.5	3.0	655.4
Princess Bess Burke Pansy 1838904 (Sir Pansy Bess Burke) B. & O., St. Croix County Asylum, New Richmond, Wis.	5	4	26	365	225	20307.4	3.2	652.8
Rivermead Star Pet 1811631 (Lathrop Star Homestead) B., R. B. Arnold, Milan, Pa. O., Abraham Eller, New Paltz, N. Y.	6	4	12	339	257	16976.0	3.8	638.1
Reformatory Ormsby Norwich Tulip 1825894 (Reformatory King Burke Tulip) B. & O., Michigan Reformatory, Ionia, Mich.	6	0	1	350	239	16499.6	3.7	611.5
Fobes Colantha Hero Harlow 1805645 (Sir Bess Ormsby Fobes 34th) B. & O., Clemson Agricultural College, Clemson, S. C.	5	5	8	365	233	17079.0	3.4	588.4
Mari Blanche Inka Pontiac 1826042 (Firestone Inka Fobes) B. & O., C. B. Siddall, Atwater, Ohio	5	11	13	305	137	18391.0	3.2	585.6
Maple Lane Loo Admiral 1836775 (Admiral Beechwood Ormsby 6th) B., Otto Neumann, Adell, Wis. O., Hawthorn Farms, Libertyville, Ill.	5	2	20	326		14159.6	3.7	527.2
Queen Laurinda Ormsby Burke 1810051 (Sir Pansy Bess Burke) B. & O., St. Croix County Asylum, New Richmond, Wis.	6	0	16	364	264	14390.4	3.5	507.3
Butter Maid Alexina Skylark 1834332 (Sir Alexina Supreme) B. & O., St. Croix County Asylum, New Richmond, Wis.	5	7	5	361	252	14998.7	3.3	498.2
Senior Four-Year Class								
S P S M Miss Othello Butter Girl 1892944 (Michigan Ormsby Othello) B. & O., State Prison of Southern Michigan, Jackson, Mich.)	4	11	9	365	212	27181.8	3.4	934.8
Reformatory Miss Sylvia Century 1912484 (Reformatory King Marathon Century) B. & O., Michigan Reformatory, Ionia, Mich.	4	7	1	365		21119.5	3.4	716.8
Carolina Jewel 2d 1907922 (North Carolina State Butter Boy) B. & O., North Carolina State College, Raleigh, N. C.	4	6	28	305	145	17241.8	3.3	561.1
Junior Four-Year Class								
Lady Champion Pearl Segis 1943690 (Lauxmont Champion Pearl) B., Herbert Lepien, Hartford, Wis. O., Mooseheart, Mooseheart, Ill.	4	0	20	339	190	21006.3	3.5	733.3
Femco Arlene Inka Jewel 1872959 (Femco Jewel Ormsby Piebe) B., Femco Farms, Breckenridge, Minn. O., Herbert Mayer, Palatine, Ill.	4	4	19	365	201	21403.2	3.3	714.9
S C S H Mamsell Boast Ella 1931889 (Femco Sir Mamsell Ormsby) B. & O., South Carolina State Hospital, Columbia, S. C.	4	1	27	357	205	15751.0	3.8	605.1
Fobes Colantha Inspiration 1903871 (Sir Bess Ormsby Fobes 34th) B. & O., Clemson Agricultural College, Clemson, S. C.	4	2	20	363	234	15670.0	3.8	600.8
Hallrose Belle 1969420 (Sir Governor Inka) B. & O., S. B. Hall, Troutdale, Ore.	4	0	24	365	244	14302.7	3.4	490.9
U S S H Grace Anna Monarch 1891985 (Winterthur Posch Great Monarch) B. & O., U. S. Soldiers' Home Dairy, Washington, D. C.	4	3	28	365		17668.2	2.7	485.3
Senior Three-Year Class								
Deyo Hazelwood Supreme 1973850 (Wimbledon Hazelwood Emperor) B., Jesse Deyo, New Paltz, N. Y. O., Abraham Eller, New Paltz, N. Y.	3	6	10	365		17496.7	4.3	747.9
Deyo Hazelwood Emperor Star 1973845 (Wimbledon Hazelwood Emperor) B., Jesse Deyo, New Paltz, N. Y. O., Abraham Eller, New Paltz, N. Y.	3	7	0	365	188	18564.9	3.9	725.3
Dunloggin Princess Marathon 1927024 (Carnation Dunloggin) B., J. Natwick, Ellicott City, Md. O., J. Natwick & Co., Ellicott City, Md.	3	6	15	365	227	15045.5	3.8	572.7
Hannah Triune Ormsby 1953252 (Maricopa Triune Ormsby) B. & O., Arizona State Teachers College, Tempe, Ariz.	3	7	27	365	222	16164.1	2.8	459.0
Junior Three-Year Class								
Lauxmont Admiral Geanette 1974572 (Admiral Lauxmont) B. & O., Lauxmont Farms, Wrightsville, Pa.	3	3	19	365		18961.8	3.6	684.4
Correction Inka Lila 1988752 (Correction Inka Prince) B. & O., Milwaukee Co. House of Correction, Milwaukee, Wis.	3	4	25	350	230	15910.0	3.6	567.8
Essex Dandy Barbara 1932816 (North Star Jim Dandy) B., County of Essex, Cedar Grove, N. J. O., Pabst Farms, Oconomowoc, Wis.	3	4	9	365		14655.6	3.6	531.6
Senior Two-Year Class								
Lauxmont Admiral Mayfair 2010167 (Admiral Lauxmont) B. & O., Lauxmont Farms, Wrightsville, Pa.	2	6	28	365		16219.3	3.8	614.3
Hawthorn Pearl 2030653 (Sir Beets of Gordon Pines) B., W. W. Yapp & W. D. Goeke, Urbana, & Havana, Ill. O., Hawthorn Farms, Libertyville, Ill.	2	8	8	365		17011.8	3.4	580.3
Correction Inka Midnight 2031385 (Correction Inka Prince) B. & O., Milwaukee Co. House of Correction, Milwaukee, Wis.	2	6	8	365	168	14952.4	3.7	555.9
Correction Queen Lass 2053179 (Correction Ideal King) B. & O., Milwaukee Co. House of Correction, Milwaukee, Wis.	2	6	3	361	235	13436.8	4.0	531.7
Pendella Boast Bountiful 2010901 (Boast Ormsby Mercedes) B. & O., Marion Harper, Newtown, Pa.	2	7	5	340	214	13960.8	3.4	471.8
Junior Two-Year Class								
Sowiscol Esther Belle 2025289 (Sowiscol B B Creator) B. & O., So. Wis. Colony & Tr. School, Union Grove, Wis.	2	1	25	365		17589.9	4.2	736.5
Sowiscol Esther Lass 2011316 (Sowiscol B B Creator) B. & O., So. Wis. Colony & Tr. School, Union Grove, Wis.	2	2	24	365	144	15609.1	4.1	633.2
St Croixco Buttercup Ormsby Aaggie 2058486 (Ormsby Ollie Direct) B. & O., St. Croix County Asylum, New Richmond, Wis.	2	2	19	365	211	16479.6	3.7	608.9
Quonquont Olga Pluto 2033585 (Abegweit Pluto 13th) B., F. U. Wells, Whately, Mass. O., Donaldson Brown, Port Deposit, Md.	2	5	20	365		17110.9	3.5	591.6
Lauxmont Rag Apple Deliagem 2037958 (Montvic Rag Apple Netherland) B. & O., Lauxmont Farms, Wrightsville, Pa.	2	5	4	365	231	15222.4	3.8	584.7
Sowiscol Esther Allie 2011315 (Sowiscol B B Creator) B. & O., So. Wis. Colony & Tr. School, Union Grove, Wis.	2	0	18	365	152	14235.6	4.0	572.5
Stockton Mead Chieftain 2053147 (Carnation Chieftain Piebe De Kol) B., E. L. Maddocks, Gustine, Calif. O., Stockton State Hospital, Stockton, Calif.	1	11	29	365	211	18097.2	3.2	572.4
Pabst Belcorn Eyebright 2014514 (Pabst Belmont Creator) B. & O., Pabst Farms, Oconomowoc, Wis.	2	1	22	365	205	14209.6	4.0	564.9
Stockton Matchless Queen 2058965 (Mendocino Matchless) B. & O., Stockton State Hospital, Stockton, Calif.	1	11	0	365	247	15048.2	3.7	557.2
Pabst Paul Moncade Hartog 2012720 (Pabst Sir Cascade Paul) B. & O., Pabst Farms, Oconomowoc, Wis.	2	1	26	365	230	15697.6	3.5	555.9
Bell Farm Rag Apple Fobes Sunlo 2049517 (Belmontvic Rag Apple) B. & O., Bell Farms, Coraopolis, Pa.	2	5	13	365		14598.2	3.8	553.9
Miss Klaver Friend Rue Watson Cornu 2050542 (Klaver Gerben Ormsby Paul) B., U. S. Dairy Division, Washington, D. C. O., Bureau of Dairy Industry, Woodward, Okla.	2	0	26	365	216	13709.9	4.0	542.9
Lauxmont Ambrose Delrina 2078728 (Lauxmont Rag Apple Ambrose) B. & O., Lauxmont Farms, Wrightsville, Pa.	2	2	9	365		16236.9	3.3	537.1
Stockton Tidy Chieftain 2053146 (Carnation Chieftain Piebe De Kol) B., E. L. Maddocks, Gustine, Calif. O., Stockton State Hospital, Stockton, Calif.	2	1	3	358	250	17086.9	3.1	527.4
U S S H Anna Belle Piebe Monarch 2005330 (Winterthur Posch Great Monarch) B. & O., U. S. Soldiers' Home Dairy, Washington, D. C.	2	4	7	365	190	17616.1	3.0	524.7
Stockton Cottonwood Burke 2058963 (Carnation Chieftain Piebe De Kol) B., E. L. Maddocks, Gustine, Calif. O., Stockton State Hospital, Stockton, Calif.	1	11	22	365	212	15049.9	3.5	523.2
Sunshine Johanna Hope 2038465 (Sunshine Jo) B. & O., Jim Maverick, San Antonio, Tex.	2	4	0	365	188	16831.0	3.1	516.6
Stockton Piebe Inka Matchless Lady 2068969 (Mendocino Matchless) B. & O., Stockton State Hospital, Stockton, Calif.	2	0	25	365		14519.5	3.6	515.5
Cottonade Arbutus 2014587 (King Johanna Pal) B., Est. of T. L. Huston, Brunswick, Ga. O., William Sutherland, Fayetteville, N. C.	2	1	21	365	234	13998.7	3.6	510.4
North Star Tidy Connie 2034520 (Dunloggin Confident) B. & O., W. S. Moscrip, Lake Elmo, Minn.	2	3	20	365	243	13675.2	3.7	505.5

Name of Cow, Sire, Breeder and Owner	Age y.	m.	d.	L. of R.	Milk lbs.	Per ct.	Fat ft.	lbs.
U-Mo Man-O-War Ormsby Zelma 2064976 (Man-O-War 69th)	2	4	25	365		14085.2	3.6	503.3
B. & O., University of Missouri, Columbia, Mo.								
V P I Ormsby Connie Alida 1984002 (Winterthur Kann Ormsby Nero)	2	5	24	363	234	13064.6	3.9	503.0
B. & O., Virginia Polytechnic Institute, Blacksburg, Va.								
Bell Farm Ethelson Agathaveld 2057571 (Bell Farm Sir Ethelson Burke)	2	5	10	305		14113.0	3.5	497.0
B. & O., Bell Farms, Coraopolis, Pa.								
Ionia K B K O Segis 2036493 (King Bessie Korndyke Ormsby)	2	4	9	365	233	13633.9	3.6	486.3
B. & O., Ionia State Hospital, Ionia, Mich.								
Miss Ormsby Burke Pride Gerb-Colan W 2115379 (Pride Orms. Gerben Col. Ona)	1	11	28	335		11574.0	4.1	471.2
B. & O., U. S. Dairy Division, Beltsville, Md.								
Sunshine Jofour Prilly 2038472 (Sunshine Jo 4th)	2	4	23	305		13160.7	3.1	414.4
B. & O., Jim Maverick, San Antonio, Tex.								
Sunshine Homestead Melisse 3d 2038464 (Sunshine Homestead Romeo 4th)	2	5	26	365	187	12133.5	3.4	412.2
B. & O., Jim Maverick, San Antonio, Tex.								
YEARLY DIVISION C								
Full-Aged Class								
U of A Posch Maricopa Belle 1831577 (Posch Ormsby Fobes 6th)	6	2	6	365	228	18069.3	4.0	721.0
B. & O., University of Arizona, Tucson, Ariz.								
Lake Park Leila Bluebird Ormsby 1790989 (Lake Park Admiral Ormsby Vale)	6	2	29	365		19427.8	3.3	641.0
B. & O., E. C. Wippermann, Sheboygan, Wis.								
Rayulmn Daywayne Marathon 1932058 (Empire Ormsby Marathon)	5	0	20	348	202	14200.7	3.4	475.8
B., R. P. Ullmann, Manchester, Mich. O., R. P. & L. K. Ulmann, Manchester, Mich.								
Winterthur King Dad Nistiana 1613720 (Winterthur Posch Ormsby King)	8	11	17	238		11732.8	3.4	397.3
B. & O., H. F. duPont, Winterthur, Del.								
Jonabell Barbara 1726369 (Netherland Johanna Sir Ollie)	6	11	25	241		11752.4	3.2	380.0
B., Bell Farms, Coraopolis, Pa. O., J. A. Bell Jr., Sewickley, Pa.								
Senior Four-Year Class								
De Kol Ormsby Sue Inka 2279033 (Firestone Inka Ormsby)	4	6	24	365		19596.5	3.4	671.1
B. & O., R. M. Snider, Outville, Ohio.								
Winterthur Pilot Posch Boast Rolka 1870760 (Winterthur Great Dad Pilot)	4	8	18	365		17654.9	3.6	627.5
B. & O., H. F. duPont, Winterthur, Del.								
Correction Ideal Canary 1904892 (Correction Fayne Ideal)	4	8	11	359	234	15141.0	3.8	580.3
B. & O., Milwaukee Co. House of Correction, Milwaukee, Wis.								
Senior Three-Year Class								
Winterthur Posch Great Soria 1934443 (King Posch Ormsby of Winterthur)	3	11	10	365	209	17902.7	4.1	729.7
B. & O., H. F. duPont, Winterthur, Del.								
Cherrybold Ormsby Mooie Girl 1970544 (Admiral Bonny Girl)	3	6	26	365	230	17288.7	4.0	694.7
B. & O., Leonard Seybold, Forest Junction, Wis.								
Winterthur Nebska Great Sedina 1970018 (Judge Quanette Nebraska)	3	6	19	365	223	12272.1	3.8	468.9
B. & O., H. F. duPont, Winterthur, Del.								
De Kol Ormsby Sally Inka 2279034 (Firestone Inka Ormsby)	3	8	18	362	217	11888.5	3.3	387.9
B. & O., R. M. Snider, Outville, Ohio								
Junior Three-Year Class								
Osborndale Gypsie Rag Apple Inka 2044062 (Osborndale Sir Johanna Rag Apple)	3	5	17	365	206	15685.9	3.7	575.9
B. & O., Mrs. W. S. Kellogg, Derby, Conn.								
Correction Ideal Jewel 1983385 (Correction Fayne Ideal)	3	3	29	362	242	13643.9	4.0	549.9
B. & O., Milwaukee Co. House of Correction, Milwaukee, Wis.								
Lady Pansy Papoose Tina 1984806 (Lake Park Sir Pansy Papoose)	3	2	28	365	241	15731.0	3.3	522.5
B., Est. of Louis Schreiber, Sheboygan, Wis. O., E. C. Wippermann, Sheboygan, Wis.								
Winterthur Nebska Posch Boast Sij 1970020 (Judge Quanette Nebraska)	3	5	5	365		11444.8	4.4	498.4
B. & O., H. F. duPont, Winterthur, Del.								
Lashbrook Laura Ormsby 2004827 (Segis Careme Ormsby)	3	2	26	345	224	10548.1	4.0	420.3
B. & O., A. J. Lashbrook, Northfield, Minn.								
Rayulmn Pormsby Nancy 2104402 (King Bessie Man-O-War Nonpareil)	3	1	19	321	225	10551.2	3.0	320.8
B. & O., R. P. & L. K. Ullmann, Manchester, Mich.								
Senior Two-Year Class								
Osborndale Ollie Admiral Ormsby 2042722 (Rear Admiral Ormsby Fobes)	2	7	0	365	202	14683.0	4.2	610.2
B. & O., Mrs. W. S. Kellogg, Derby, Conn.								
Nakota Miss Jamestown 2024398 (Ventnor Sensation Posch Fobes)	2	8	6	365	157	14742.5	3.8	564.1
B. & O., N. Dak. Agricultural College, Fargo, N. Dak.								
Lake Park Korndyke Della Lass 2034314 (Triune Ormsby Della Lass)	2	7	8	365	131	13630.1	3.3	452.7
B. & O., E. C. Wippermann, Sheboygan, Wis.								
Correction Inka Sylvia 2024232 (Correction Inka Prince)	2	9	4	360	243	12139.1	3.5	428.4
B. & O., Milwaukee Co. House of Correction, Milwaukee, Wis.								
Correction Queen Marie 2039748 (Correction Ideal King)	2	6	27	365	151	13120.3	3.2	423.1
B. & O., Milwaukee Co. House of Correction, Milwaukee, Wis.								
Winterthur Nebska Judge Tajalo 2023029 (Judge Quanette Nebraska)	2	6	11	365		10519.8	3.7	388.0
B. & O., H. F. duPont, Winterthur, Del.								
Winterthur Fobes Great Tina 2023027 (Posch Ormsby Fobes 14th)	2	6	5	365	226	9796.3	3.9	379.3
B. & O., H. F. duPont, Winterthur, Del.								
Rayulmn Renown Mooie 2042260 (Man-O-War Renown)	2	6	12	365		11194.5	3.2	353.4
B. & O., R. P. & L. K. Ullmann, Manchester, Mich.								
Rayulmn Renown Alcartra 2104406 (Man-O-War Renown)	2	8	1	329	221	9723.5	3.5	339.2
B. & O., R. P. & L. K. Ullmann, Manchester, Mich.								
Topsy Tritomia Ormsby Segis 2091023 (Hallrose Pontiac Tritomia)	2	6	16	331	195	10044.6	3.3	335.3
B. & O., Adolph Benter, Creswell, Ore.								
Rayulmn Renown Dawn 2104407 (Man-O-War Renown)	2	6	11	335	247	8921.1	3.4	304.5
B. & O., R. P. & L. K. Ullmann, Manchester, Mich.								
Junior Two-Year Class								
Winterthur Fobes Dad Thatkirl 2024493 (Posch Ormsby Fobes 14th)	2	3	8	365		15037.4	3.9	579.3
B. & O., H. F. duPont, Winterthur, Del.								
Correction Inka Canary Maid 2083197 (Correction Inka Prince)	2	2	29	365	222	12505.3	3.7	466.6
B. & O., Milwaukee Co. House of Correction, Milwaukee, Wis.								
Winterthur Fobes Great Titina 2023028 (Posch Ormsby Fobes 14th)	2	5	24	365	232	11139.2	4.1	456.7
B. & O., H. F. duPont, Winterthur, Del.								
Esther Fayne Tritomia 2043255 (Hallrose Pontiac Tritomia)	2	2	19	305	182	9489.7	3.3	315.3
B. & O., Adolph Benter, Creswell, Ore.								

HERD IMPROVEMENT TESTS

Classification 3 X Herds

Owner	No. Cows for Yr.	Av. No. Days	Av. Lbs. Milk	Av. % Fat	Av. Lbs. Fat
Lewis A. Zimmerman, Lehighton, Pa., 16 3X	16	315	17927	3.5	635.9
Ionia State Hospital, Ionia, Mich., 34 3X	34	326	16787	3.5	579.9
State House of Cor. & Branch Pris., Marquette, Mich., 33 3X	33	335	15576	3.4	537.3
Michigan Reformatory, Ionia, Mich., 46 3X	46	327	14445	3.5	503.3
Michigan State College, East Lansing, Mich., 11 3X	11	304	13607	3.6	488.9
W. T. Conkling, Earlville, N. Y., 49 3X	49	288	13654	3.5	475.2
J. W. Campbell, Seguin, Tex., 24 3X	24	325	13887	3.4	471.0
Ypsilanti State Hospital, Ypsilanti, Mich., 45 3X	45	317	14476	3.2	467.7
Chas. W. Summers, Hutchinson, Kansas, 10 3X	10	299	13448	3.4	456.5
Van Horne Farms, Inc., Van Hornesville, N. Y., 43 3X	43	326	13255	3.4	454.6
Gehman Dairy Farm, Inc., Macungie, Pa., 29 3X	29	326	13030	3.5	452.6
Caro State Hospital for Epileptics, Caro, Mich., 52 3X	52	313	14392	3.1	446.6
A. W. Ackermann, Bennington, Neb., 40 3X	40	310	13070	3.4	445.6
N. Carolina State College of Agr., Raleigh, N. C., 12 3X	12	297	12436	3.5	431.0
H. J. Meierkord, Linn, Kansas, 15 3X	15	333	13011	3.2	417.4
University of Maryland, College Park, Md., 25 3X	25	300	11446	3.6	410.2
Iowa School for the Deaf, Council Bluffs, Iowa, 24 3X	24	304	11607	3.5	407.7
Archie Allison, Cheyenne, Wyo., 37 3X	37	288	11822	3.4	401.3
Iowa Training School for Boys, Eldora, Iowa, 46 3X	46	313	11304	3.5	398.0
Newberry State Hospital, Newberry, Mich., 41 3X	41	311	11869	3.3	387.1
Daniel F. Bull, Minneapolis, Minn., 34 3X	34	313	10178	3.6	365.3

Classification 2X Herds

M. and F. Dellinger and Company, Plain City, Ohio, 28 2X	28	316	15185	3.3	508.3
St. Charles Boys' Home, Wauwatosa, Wis., 8 2X	8	321	13301	3.7	494.1
W. H. Barritt and Sons, Barron, Wis., 17 2X	17	326	13356	3.6	484.3
University of Arizona, Tucson, Ariz., 10 2X	10	321	13187	3.6	480.5
Matt Birker, Vinton, Iowa, 10 2X	10	287	13195	3.6	474.7
O'Connell Brothers, Grimes, Wis., 18 2X	18	304	13888	3.3	464.8
Ernest A. Riehle & Son, Edgerton, Ohio, 6 2X	6	329	13892	3.3	461.8
F. S. Borror & Sons, Springville, Calif., 61 2X	61	310	13287	3.4	455.8
George A. Palmbach, Appleton, Wis., 9 2X	9	300	12113	3.7	450.4
Round Top Farms, Damariscotta, Maine, 21 2X	21	297	12098	3.7	447.1
Thos. G. Lockhart, Mt. Vernon, Wash., 19 2X	19	314	12176	3.7	445.5
Leonard Mirsberger, Hilbert, Wis., 14 2X	14	299	12886	3.4	443.5
Walter F. Ochs, Cleveland, Wis., 15 2X	15	313	12552	3.5	438.2
Wittrock Dairy, Inc., Falls City, Neb., 19 2X	19	315	12623	3.5	435.8
G. E. Peterson, Orleans, Mich., 15 2X	15	320	12593	3.4	429.2
Lauritz Laursen, Union Grove, Wis., 17 2X	17	323	12428	3.4	428.2
Harvey Bechtelheimer, Sabetha, Kans., 13 2X	13	282	12028	3.5	426.8
Hugh Oesterle, Webberville, Mich., 11 2X	11	321	11929	3.6	424.0
Frank Yaeger & Sons, Webster, N. Y., 7 2X	7	313	12388	3.4	422.7
M. D. Buth, Comstock Park, Mich., 28 2X	28	311	12219	3.4	420.5
L. R. Siebecker, Baraboo, Wis., 17 2X	17	306	11283	3.7	418.7
C. Wesley Jones, Aberdeen, Idaho, 5 2X	5	281	12715	3.3	418.7
R. A. Shumate and Son, Helena, Mont., 45 2X	45	306	11488	3.6	418.4
J. H. Wilson & Sons, Clinton, Pa., 15 2X	15	309	12939	3.2	418.4
Ashland Branch Experiment Station, Ashland, Wis., 11 2X	11	303	12103	3.4	414.7
Vaniard Farm, Hilliards, Ohio, 24 2X	24	333	11776	3.5	412.6
John S. Gosper, Walton, N. Y., 20 2X	20	325	12598	3.3	412.1
Charles J. Knoell, Tonawanda, N. Y., 16 2X	16	308	11194	3.7	411.9
A. N. McCardell, Frederick, Md., 15 2X	15	304	11927	3.4	410.7
Willis A. McAlpin, Villisca, Iowa, 9 2X	9	296	10920	3.7	409.2
University of New Hampshire, Durham, N. H., 23 2X	23	300	11848	3.4	404.0
F. S. Goff and Son, Hollis Center, Maine, 17 2X	17	288	11742	3.4	401.3
Mich. State Col., Up. Penin. Exp. Sta., Chatham, Mich., 12 2X	12	298	10960	3.7	401.1
Harold F. Hubbs, Kirkville, N. Y., 15 2X	15	319	10512	3.7	392.4
Nicholas Kelley, Annandale, N. J., 33 2X	33	296	10770	3.6	386.3
Kentucky Agr. Exp. Station, Lexington, Ky., 7 2X	7	295	11243	3.4	384.1
L. J. Tenckinck, Twin Falls, Idaho, 22 2X	22	304	10751	3.6	383.2
M. E. Konigslow, Peninsula, Ohio, 23 2X	23	326	10491	3.6	376.4
E. F. Lyman, Great Falls, Mont., 14 2X	14	283	9760	3.8	375.7
Parsons Brothers, Linwood, Mich., 18 2X	18	329	11425	3.3	374.9
Henry R. Bourassa and Sons, Linwood, Mich., 29 2X	29	313	11420	3.3	373.6
The Women's Reformatory, Rockwell City, Iowa, 11 2X	11	311	10879	3.4	371.2
Manitowoc County Asylum, Manitowoc, Wis., 49 2X	49	298	10063	3.7	367.3
Herman Soderberg, Bancroft, Iowa, 15 2X	15	305	11465	3.2	363.8
Mrs. Ethel J. McFarland, Nampa, Idaho, 34 2X	34	306	10884	3.3	360.9
Wis. Iudustrial Home for Women, Taycheedah, Wis., 23 2X	23	322	10464	3.4	359.1
Peninsula Branch Exp. Station, Sturgeon Bay, Wis., 15 2X	15	300	9735	3.7	358.9
Albert W. Bailey, Elkton, Mich., 3 2X	3	308	11702	3.1	358.7
Clinton Skewes, Union Grove, Wis., 12 2X	12	287	10480	3.4	355.5
C. G. Mortimer Jr., Montague, N. J., 5 2X	5	324	9760	3.6	352.4
Hemis Brothers Bag Company, Talladega, Ala., 28 2X	28	302	10584	3.3	349.9
Joseph Lemish & Son, Garrett, Ind., 12 2X	12	314	9199	3.7	344.6
Paul Behn, Sheffield, Iowa, 14 2X	14	293	9450	3.6	343.7
C. L. Israel, Beloit, Ohio, 8 2X	8	321	10180	3.3	336.4
Morgenthau and Hoose, Hopewell Junction, N. Y., 15 2X	15	290	9152	3.6	333.7
North Carolina College for Women, Greensboro, N. C., 58 2X	58	287	9557	3.3	314.6
Idaho Industrial Training School, St. Anthony, Idaho, 26 2X	26	314	9364	3.3	313.4
Marshfield Experiment Station, Marshfield, Wis., 16 2X	16	324	8620	3.6	312.6
F. B. & W. P. Sprague, Smyrna, N. Y., 5 2X	5	307	8282	3.8	310.7
Sand Springs Home Farms, Sand Springs, Okla., 27 2X	27	305	8063	3.6	288.4
Texas Technological College, Lubbock, Tex., 6 2X	7	248	8426	3.4	284.8

Mixed Classification Herds

Pennsylvania State College, State College, Pa., 8 4X, 20 3X	28	320	15116	3.6	549.6
A. R. Johnson, Wasco, Ill., 8 3X, 13 2X	21	309	14057	3.7	518.4
Koenig Brothers, Tarentum, Pa., 6 3X, 6 2X	12	339	13159	3.9	508.5
Massachusetts State College, Amherst, Mass., 5 3X, 9 2X	14	302	12703	3.6	459.9
St. Croix County Asylum, New Richmond, Wis., 51 3X, 5 2X	56	316	12601	3.6	453.7
S. S. Smith, Lima, Ohio, 6 4X, 20 3X	26	294	13008	3.5	449.3
Mrs. Ruth Rogers, Big Rapids, Mich., 16 2X, 1 3X	17	317	12092	3.7	449.1
Berrien County Infirmary, Berrien Ctr., Mich., 15 2X, 4 3X	19	323	13157	3.4	446.7
Osborn Prison Farm, Somers, Conn., 15 3X, 33 2X	48	292	11983	3.6	427.5
Grace S. Bull, Canastota, N. Y., 2 3X, 9 2X	11	315	12544	3.4	426.6
E. M. Bayne, Romeo, Mich., 32 3X, 4 2X	36	308	12309	3.4	420.7
Forsgate Farms, Jamesburg, N. J., 156 3X, 21 2X	177	303	10919	3.5	380.0
Harold T. Burdick, Hillsdale, Wis., 17 2X, 2 3X	19	319	10499	3.6	379.5
Los Poblanos Ranch, Albuquerque, N. M., 10 3X, 16 2X	26	291	10727	3.5	374.7
Chauncey Rose School, Terre Haute, Ind., 4 2X, 3 3X	7	296	9379	3.7	343.2
Hans Schanzlin and Son, Washington, N. J., 14 3X, 8 2X	22	312	10038	3.4	341.9
John A. Ward, Sterling, Ill., 9 3X, 5 2X	14	299	9154	3.5	322.1

M. B. Nichols, Dept. of A. R.

All-Canadian Awards 1941

(Continued from page 11)

a better coverage and proper representation of their top animals than was the case in the U.S.A. A Nomination Committee sorted the entries down to a maximum of six in each class, and these nominations were presented pictorially in the November issue of the Journal. The Selection Committee then cast their ballots, with the same basis of computation we use in determining the final awards, which are being announced in the December Journal.

The **World** cooperated by setting the All-American schedule so as not to conflict with the Canadian program, and all of the Canadian nominations were declared eligible for All-American nomination. A tidy number of them, well over 50%, made the list which we presented in our November 21 issue.

A Popular Judging Contest has been staged for Canadian breeders and separate contests for the Club Boys and Girls under sponsorship of the Canadian Association. It has attracted wide participation by Canadian breeders.

We are glad to present herewith for the study of our readers the All-Canadian awards as being officially made this week by the Journal. They are a representative array that should be a source of pride to every Canadian, and to every Holstein breed partisan everywhere.

War Emergency Plans for Raising Calves and Heifers

(Continued from page 37)

Fed Calf Mixture. N. J. Agr. Coll. Ext. Bull. 73. 1929. 4 pages. 9. Krauss, W. E., Monroe, C. F. and Hayden, C C. Dry Feed Systems of Raising Calves. Ohio Exp. Sta. Bimonthly Bull. No. 173, pp. 45-51, March-Apr., 1935. 10. Jones, I. R., Brandt, R. M., and Wilson, F. D. Raising Calves on Dry Calf Meals. Oregon Agr. Exp. Sta. Bull. 290. 1931. 30 pages. 11. Knott, J. C. and Hill, O. J. Raising Dairy Calves. Washington Agr Ext, Bull. 269. Revised 1941. 31 pages. 12. Turk, K. L. Feeding Dairy Calves and Heifers. Cornell Ext. Bull. 361. 1936. 19 pages. Revised April, 1941. 13. Phillips, P. H. and Werner, G. M. Raising Calves When Milk is Scarce. Wisconsin Agr. Ext. Circ. 326. 1941. 7 pages. 14. Kendrick, J. F. and Parker, J. B. Estimating the Weights of Dairy Cows from Heart-Girth Measurement. U. S. Bureau of Dairy Indus. B.D.I.M. No. 695. 1936. 2 pages. 15 Monroe, C F Ohio Exp Sta Unpublished data.

Breeders' Directory

Published in one issue each month—$6 for 12 insertions All good breeders are invited to participate Send name, address, county, size of herd, form of production testing, health status, if vaccinating year started, principal line of breeding or herd sire. The breeders listed below can supply prospective buyers with registered Holstein seed stock, both vaccinated and unvaccinated. They invite your correspondence or a personal inspection of their herds.

CALIFORNIA

Decker Bros., Turlock, Stanislaus Co., 100 head; CTA-AR; Vac. 1939; Man-O-War.

Geo. H. Sawyer, Diamond S. Ranch, Modesto; 80 head; CTA; Vac. 1939; U. of Calif. sires.

Sleepy Hollow Cert. Milk Co., Petaluma; 100 head; AR-HIR; Vac. 1937; Montvic Chieftain.

CONNECTICUT

Quality Farm, Lakeville, Litchfield Co.; 40 head; CTA-HIR; Neg., Vac. 1940; Winterthur.

Whirlwind Hill Farm, Wallingford, 65 head; HIR; CTA; Neg., Vac.; Rag Apple-Ormsby.

ILLINOIS

Clarkdale Farm, Leo P. Dwyer, Barrington; 50 head; HIR-CTA; Vac. 1940; Dunloggin.

T. E. Courtney, Athlone Farm, De Kalb; 80 head; HIR; Neg.; Vac. 1937: Admiral breeding.

Edanell Farm, R-1, W. Chicago, DuPage Co.; 25 head; CTA "200,000-lb. Design."

Howard Farm, Dundee, Kane Co.; 55 head; HIR-CTA; Neg.; Vac. 1938; Montvic sire.

Killybracken Farm, Wayne, DuPage Co.; 27 head; CTA; Neg.; Carnation-Pabst.

Rapp Farms, Plainfield, Will Co.; 65 head; HIR-CTA; Cert.; Vac.; King Bessie-Hark.

INDIANA

Dunbar & Middleton Farms, Colfax; 60 head; HIR; Neg.; Vac. 1941; Carnation Madcap sire.

Ray Meeker & Son, Muncie, Delaware Co.; 70 head; HIR; Vac.; Rag Apple-Pearl.

John A. Newman & Sons, Culver, Marshall Co.; 75 head; CTA; Neg.; Ormsby breeding.

IOWA

Chas. A. Manahan, M. D., Vinton, Benton Co.; 40 head; CTA; Vac. 1940; Femco sire.

Mawe Holstein Farm, Manchester, Delaware Co.; 50 head; CTA; Vac. 1938; S.B.O. Fobes.

George Mueller & Son, Lone Tree, Johnson Co.; 75 head; CTA; Vac.; KPOP-King Bessie.

Rose Harbor Holstein Farm, Sheffield; 30 head; HIR; Neg.; Vac. 1942; Carnation sire.

KANSAS

Bollman Holstein Farm, Edna, Labette Co.; 112 head; CTA; Vac. 1940; Lou Ormsby Lad.

Harvey Bechtelheimer, Sabetha, Nemaha Co.; 40 head; HIR; Neg; Vac. 1941; Henry sire.

Mrs. H. D. Burger & Son, Seneca, Nemaha Co.; 75 head; CTA; Neg.; Pabst-Ormsby breeding.

Leo H. Hostetler, Harper, Harper Co.; 80 head; CTA; Cert.; Dunloggin Design sire.

T. Hobart McVay, Nickerson, Reno Co.; 40 head; CTA; Vac. 1935; Homestead breeding.

Emil Menold, Sabetha, Nemaha Co.; 35 head; CTA; Colony sire.

Jake Zarnowski, Newton, Harvey Co.; 70 head; Neg; HIR; Triune breeding.

KENTUCKY

St. Rose Farm, Springfield, Washington Co.; 75 head; Cert.; Vac.; U. S. Soldiers' Home sire.

MICHIGAN

Lakefield Farms, Clarkston, Oakland Co.; 50 head; HIR; Neg.; Vac. 1939; Ormsby.

Rayulmn Farm, Manchester, Washtenaw Co.; 60 head; AR-HIR; Neg.; Intense Ormsby.

John A. Rinke, Warren, Macomb Co.; 50 head; HIR; Cert.; Rag Apple Posch breeding.

MINNESOTA

Ernest Alsleben, Glencoe, McLeod Co.; 55 head; CTA; Neg.; KBKO Fobes breeding.

Langola Holstein Farm, Rice, Benton Co.; 40 head; CTA; Neg.; KBO Hazelwood 43d.

H. A. Pitzner & Son, Morristown, Rice Co.; 30 head; CTA; Carnation breeding.

M. A. Tabbut & Sons, Pelican Rapids; 70 head; CTA; Cert.; Raymondale sire.

M. O. Titrud & Sons, Clarissa, Todd Co.; 35 head, CTA; Cert; Triune-Carnation breeding.

A. H. Jergens, Biscay, McLeod Co.; 95 head; CTA; Neg.; King Bessie-Gov. Fobes.

MISSOURI

Clyde Hill Farm, Clyde, Nodaway Co.; 125 head; HIR; Neg.; S. B. O. Fobes breeding.

NEBRASKA

Roland Ramsay, Seward, Seward Co.; 35 head; HIR; line-bred Ormsbys.

Wittrock Dairy, Falls City, Richardson Co.; 60 head, HIR; Vac. 1942; Bess Burke breeding.

NEW JERSEY

Bartram Farm, N. Kelley, Annandale; 100 head; HIR; Vac. 1941; Carnation—A. O. Fobes.

Peter P. Van Nuys, Belle Mead, Somerset Co.; 65 head; HIR; Cert; Ormsby Sensation 45th.

NEW YORK

G. R. Alexander, Cortland, Cortland Co., 100 head; CTA; Neg.; Vac. 1942; Ormsby.

G. W. Chapman & Son, Ontario, Wayne Co.; 35 head; CTA—HIR; Neg.; Mont. Chieftain 7th.

Arling Cobb, Whitesville, Allegheny Co.; 40 head;; HIR Cert.; Osborndale sire.

John F. Cobry, Arcade, Wyoming Wyoming Co.; 34 head; Neg.; Colantha breeding.

G. S. Cowles & Son, Ashville, Chautauqua Co.; 75 head; CTA—HIR; Vac. 1937; Winterthur.

Frank D. Davy, Fort Plain, Herkimer Co.; 70 head; CTA; Vac. 1937; Posch.

Frank N. Decker, Syracuse, Onondaga Co.; 125 head; CTA; Vac. 1936; Thendara-Winterthur.

R. P. Ernenwein, Verona Station, Oneida Co.; 35 head; HIR; Approved; Linebred Tobes, Toppin View Outcross.

C. D. Fairchild & Son, Oriskany Falls; 30 head; CTA; Vac. 1935; Springbank Aristocrat.

Genodale Farms, Genoa, Cayuga Co.; 70 head; CTA—HIR; Neg.; Winterthur—Neptune

M. R. Klock & Son, Ft. Plain; 70 head, CTA, Blood tested, Vac., Carnation breeding.

Keleje Farm, Millerton, Dutchess Co.; 47 head; CTA; Vac. 1937; Osborndale—Carn.

Ferdinand Lewandrowski, Newport, Herk. Co.; 85 head; CTA; Vac. 1940; Rag Apple.

Daniel I. Mayne, Rochester; 50 head; CTA - HIR; Cert. - Vac. 1942; Montvic Chieftain 7th.

H. H. Rathbun & Son, Oriskany Falls; 140 head; CTA; Neg; Vac. 1938; Cornell Pride 22d.

Lawrence W. Roe, Earlville, Madison Co.; 58 head; CTA; Vac. 1940; King Bessie 60th.

Richard B. Ross, Gowanda, Erie Co.; 55 head; DHIA; Cert.; Kelco and Pioneer Lodge sires.

Ray Saltsman & Son, Cortland, Cortland Co.; 85 head; Neg.; AR—CTA; Ormsby.

Henry W. Samson, Vernon Ctr., Oneida Co.; 140 head; Vac. 1940; CTA; Commander Posch.

Walt Farms, Auburn, Cayuga Co. 235 head; Neg.; HIR; Posch-Ormsby-Carnation bulls.

Wintermede Farms, Middletown, Sullivan Co.; 100 head; HIR; Vac; Ormsby.

W. H. Worden & Son, Windsor, Broome Co.; 80 head; CTA; Vac. 1940; Ormsby & SWIH breeding.

Youngdale Farm, Amenia, Dutchess Co.; 38 head; Neg.; Osborndale sire.

NORTH DAKOTA

Max H. Strehlow, Kindred, Cass Co. 90 head; CTA; Cert.; S. B. O. F. Barbetta.

OHIO

Bouie Bros., Marysville, R. 2, Union Co.; 130 head; HIR—CTA; Cert.; Carnation.

Chittenden Farms, Toledo, Lucas Co.; 65 head; HIR; Cert.; Rag Apple breeding.

Leroy Kittle, Holland, Lucas Co.; 30 head; AR—HIR; Vac. 1941; Carnation.

OKLAHOMA

Ft. Reno Detachment Corps, El Reno, Canadian Co.; 35 head; Ormsby breeding.

Edward P. Boyd, Oklahoma City, Okla. Co.; 40 head; CTA-AR; Vac. 1936; Carnation.

PENNSYLVANIA

Raymond B. Arnold, Milan, Bradford Co.; 40 head; CTA; Cert.; Star, Boast, Winterthur breeding.

C. E. Canfield, Damascus, Wayne Co.; 42 head; CTA; Cert.; KPOP-Montvic Chieftain.

Aaron S. Glick, Lancaster R. 4; 65 head; CTA; Cert.; Mercedes Echo & Creator breeding.

Earl L. Groff, Strasburg, Lancaster Co.; 40 head; CTA; Cert.; Della breeding.

Wm. H. Landis, E. Greenville, Montgomery Co.; 80 head; CTA; Cert.; Segis-Ormsby.

John Styer, East Earl, Lancaster Co.; 90 head; CTA; Cert.; Goldfinder, Della.

S. P. Wood, W. Alexander, Ohio Co.; 35 head; CTA; Cert.; Carnation breeding.

W. J. Robbins, Beachlake, Wayne Co.; 40 head; CTA; Cert.; Osb.-Carn.-Wint. breeding.

SOUTH CAROLINA

S. C. State Hospital, Columbia; 225 head; AR-CTA; Cert.; Sir Inka May-Ormsby.

VERMONT

Tyler Farms, W. Newberry, Orange Co.; 100 head; CTA; Cert.; Vac. 1941; Rag Apple.

VIRGINIA

Clifton M. Warner, Purcellville, Loudoun Co.; 100 head; CTA; Vac.; Mont. Chieftain 19th.

I. D. Myers & Son, Harrisonburg, Va.; 70 head; acc.; cert.; King Bessie-Montvic lines.

WASHINGTON

Vernway Farms, I. W. Youngquist, Bow; 60 head; HIR; Hazelwood-Homestead breeding.

WISCONSIN

Sidney F. Andrus, Troy Center, Walworth Co.; 30 head; HIR; Cert.; Carnation.

Alfred G. Bohl, Fennimore, Grant Co.; 37 head; CTA; Cert.; Carnation breeding.

Bonnie Mead Stock Farm, Randolph, Columbia Co.; 75 head; CTA; Rag Apple-Car.

Brattrud & Ogilvie, Mt. Horeb, Dane Co.; 40 head; CTA; Cert.; Sire: Carnation Magnificent.

Harold T. Burdick, Hillsdale, Barron Co.; 45 head; HIR-CTA; Cert.; SBOF breeding.

H. L. Ellis Farms, Eureka, Winnebago Co.; 115 head; CTA; Cert.; King Bessie.

A. J. Frederich, Auburndale, Wood Co.; 100 head; CTA; Ollie and Admiral breeding.

H. J. Gramling & Sons, Wis.; 40 head; Vac. 1942; TB & Bang's; Mont. Pathfinder Pabst.

Wm. Gotz, Auburndale, Wood Co.; 65 head; CTA; Admiral breeding.

Carl Hayes & Son, Campbellsport, Fond du Lac Co.; 75 head; HIR-CTA; Cert.; Ormsby Fobes.

Howard Home Farm, Whitewater, Walworth Co.; 50 head; HIR-CTA; Cert; Abb. O. Fobes.

George Keiffer, Auburndale, Wood Co.; 100 head; CTA; Admiral Ormsby Fobes.

John Keiffer, Auburndale, Wood Co.; 100 head; CTA; Admiral Ormsby Fobes breeding.

St. Croix Co.; Asylum, New Richmond; 170 head; AR-HIR Cert.; Wimbledon-Pabst.

Erwin H. Stuckert, Oconomowoc, R. 1, Waukesha Co.; 47 head; Cert.; A. L. Godfrey sire.

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Ohio Breeders' November Sale

Catalog Analysis

55 Females 2 Yrs. and Over	$15232.50	$276.96
1 Bred Yearling	415.00	415.00
2 Open Yearlings	310.00	155.00
14 Bulls	2850.00	203.57
72 Head Sold	$18807.50	$261.21

The November section of the Ohio Breeders Sale was held November 18 at Wooster Fair Grounds. Prices throughout ran about $20 a head above the excellent October Sale held here under the same sponsorship and management, the Ohio Holstein-Friesian Ass'n.

The 58 females averaged over $275 and the 14 males over $203. There were 21 head selling above $300, of which seven were in the $400 bracket, and two above $500. Twelve females with CTA records made the fine average of $342.50. The top price was $700 for a 5-year-old granddaughter of Montvic Chieftain, with a creditable DHIA record and due right away by Carnation Pathfinder, a son of Governor. Richman Farms, Lodi, Ohio, were the sellers, and David Glick, Mount Pleasant, Pa., the buyer. Mr. Glick bought six head, including also a 2-year-old daughter of Oostie Invincible from C. W. Ernsthausen, Elmore, Ohio, at $400.

Top bull was Man-O-War Ormsby Posch 52d, a January calf sired by Ohio's popular breeding bull and All-American winner, Man-O-War Ormsby Posch, from a 706-lb 2X granddaughter of Pabst Crusader. His price was $500. R. M. Snider, Outville, Ohio, was the consignor; Sherick & Heifner, Ashland, Ohio, the buyer.

Nine head went to Pennsylvania, one to New York, the balance remaining in Ohio, going to 52 Ohio buyers. Among the larger buyers not previously mentioned were C. T. Shreve, Damascus, Ohio, with five head for $1,615; Green Lea Dairy Farm, Andover, Ohio, with five for $1,665, and Glen Shreve, Salem, Ohio, with three for $875.

Sprunger and Koons were the auctioneers, with the Ohio Holstein-Friesian Association, I. D. Hadley, secretary, as managers.

Following is the list of buyers with details of animals selling above $250:

David Glick, Mt. Pleasant, Pa.: (6)
Richman Ormsby Sadie Vale 1991577 (11-24-37) $700
(Richman Farms, Lodi, Ohio)
Creator Rag Apple Homestead Rose 2198159 (7-26-40) 400
(C. W. Ernsthausen, Elmore, Ohio)
Daisy Segis Toledo 2026298 (6-6-38) 305
(C. W. Bunning, Oak Harbor, Ohio)
Chardell Perfection Alice 2127140 (12-15-39) 300
(W. F. Blosser, Jenera, Ohio)
Springside Pauline Hoesly 2152704 (1-31-39) 250
(A. H. Mumaw, Wooster, Ohio)

Sherick & Heiffner, Ashland, Ohio:
Male, Man-O-War Ormsby Posch 52d 850463 (1-5-42) 500
(R. M. Snider, Outville, Ohio)

C. T. Shreve, Damascus, Ohio:
Segis Fayne Sensation De Kol 2334228 (1-24-39) 420
(Ralph W. Mapp, New Carlisle, Ohio)
Peggy Pontiac Heroine 2042790 (10-10-38) 350
(W. F. Blosser, Jenera, Ohio)
Colantha Ormsby Hartog Segis 2334225 (2-23-39) 335
(Ralph W. Mapp, New Carlisle, Ohio)
Chardell Perfection Betty 2174667 (3-24-40) 260
(W. F. Blosser, Jenera, Ohio)
M R G Inka Fobes 2092025 (3-4-39) 250
(H. S. Dalton & Sons, Wakeman, Ohio)

Green Lea Dairy Farms, Andover, Ohio:
Richman Inka Beauty 1991578 (12-22-37) 410
(Richman Farms, Lodi, Ohio)
Bonnie Lady Oostie Prospect 2230828 (3-23-40) 400
(S. S. Smith, Lima, Ohio)
Inka Gertrude Sensation 2130634 (1-20-39) 300
(Harry P. Keck, Creston, Ohio)
Segis Ormsby Fayne Aaggie 2334227 (10-22-38) 295
(Ralph W. Mapp, New Carlisle, Ohio)

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Piebe Ollie Imogene Bessie 695523. Index, DHIA, 2X, 14,502 Milk, 4.2%, 609 Fat, on 8 comparisons. Increase of 2,340 lbs. milk, .4% and 131 lbs. fat. Double grandson of King Bessie, weight 2,700 lbs. Eight years old. First and grand champion at U. P. State Fair (Michigan) for 3 years. Good sure breeder. Selling only because we have dispersed our entire herd. Price on request.
Roycroft Dairy
Charles A. Hutula,
Covington, Mich.

Ona Butter Girl Pontiac Fobes 2165666 (5-12-40) 260
(W. F. Blosser, Jenera, Ohio)

C. I. Miller, Medina, Ohio: (2)
Orchard View Ella Segis Rena 2106004 (1-2-39) 425
(H. P. Richards, Strongsville, Ohio)

Todor Nikolich, Akron, Ohio:
Cadette Sir Cascade Olive 2202354 (9-21-41) 415
(Chas. R. Line, Middletown, Ohio)

M & F Dellinger & Co., Plain City, Ohio:
Bonny Lawn Creamelle 2169161 (6-30-36) 400
(O. L. Thomas, Marshallville, Ohio)

W. J. Mersman & Noel Frysinger & Sons, Celina, Ohio:
Bell Ormsby Forum 1843758 (6-29-35) 350
(C. W. Bunning, Oak Harbor, Ohio)
Manfdell Ormsby De Kol 2207897 (9-7-40) 300
(M & F Dellinger & Co., Plain City, Ohio)

Howard Eiler, Middletown, Ohio:
Posch Inka Daisy Beets 2244915 (10-16-40) 330
(Earl B. Thomas, Outville, Ohio)

Ralph W. Mapp, New Carlisle, Ohio:
Male, Rawleigh Canary Buttercup 81887 (3-4-41) 330
(Harry C. Smithers, Perrysburg, Ohio)

Glenn Shreve, Salem, Ohio:
Sadie Segis Parthenea 1942332 (10-18-37) 310
(O. J. Singer, Canton, Ohio)
Lucy Mae Ormsby Pontiac 2d 2098426 (5-24-39) 290
(W. F. Blosser, Jenera, Ohio)
Barrson Ormsby Segis Fountain 2063642 (10-19-38) 275
(Levi Althaus & Sons, Bluffton, Ohio)

S. F. Armbruster, Seville, Ohio:
Della Ona Hartog Veeman 2272176 (4-11-36) 300
(W. F. Blosser, Jenera, Ohio)

Enos M. Weaver, Dundee, Ohio:
Rolling Hills M O W Posch Ormsby 2173848 (7-2-40) 300
(Warren L. Beals, Dalton, Ohio)

Chas. Monter, Jr., Alliance, Ohio: (2)
Chardell Perfection Alma 2174666 (3-15-40) 255
(W. F. Blosser, Jenera, Ohio)

Irvin Shoup, Nankin, Ohio:
Jennie Castine Fobes Queen 1819050 (8-24-35) 255
(S. S. Smith, Lima, Ohio)

R. N. Seever & Son, Arcadia, Ohio:
Daisy Fayne Piebe Segis 1943785 (9-14-35) 272.50
(P. F. Geiser, Apple Creek, Ohio)

Mrs. Lillian Beery, Rittman, Ohio:
Applegrove Ormsby Iona 2056384 (10-19-38) 250
(J. H. Amstutz, Rittman, Ohio)

Estella M. Bandy, Alliance, Ohio:
Uncatalogued entry 250

Other buyers: (Ohio) Andrew J. Cochrane, Ripley; Ralph Rupp, Sterling; C. W. Watts, Killbuck; Miles Holmes, Wooster; V. H. Amstutz, Smithsville; C. H. & Carl Straight, Kent; Theo. Rypma, New London; John A. Davis, Hamilton; Howard McNish, Burton; BeBout & Shank, Ashland; J. C. Jones, Lucas; Sanford J. Dulin, Kenton; O. T. Shaffer, Cygnet; Eli E. Hershberger, Sugar Creek; C. D. Lehman & Son, Grafton; Edgar Hall, Marysville; Clarence Monter, Alliance; Roy W. Condry, Wooster; J. W. Hock, Plain City; Ernest McConnell, Rittman; Eli Schlabach, Millersburg; Fred Henceroth, Uniontown; Robert Beery, Sterling; J. J. Van Nostran, Orrville; Howard Beery, Rittman; Kenneth Kandel, Alliance; Henry Neidert, Canal Fulton; N. D. Linter, Creston; Don M. Clump, Lancaster; Walter F. Snoddy, Shreve; V. W. McCuen, Ashland; P. A. Funk, Wooster; Chas. G. Gerber, Alliance; L. E. Amstutz, Rittman; John W. Newlin, Spruce Creek, Pa.

MORE BULL SALES AT H. OF C.

The Milwaukee County House of Correction in Wisconsin reports the sale of a bull and a heifer calf recently to Mr. Earl H. Velte of Hurley, Wis., both sired by Correction Ormsby Della Bonheur. Mr. John B. Sola, also of Hurley, purchased a heifer calf by the above sire, and Mr. Otto Schrieber of Milwaukee bought his third cow from the Correction herd, Correction Inka Peggy that has averaged 463 lbs fat in her first three lactations. Her first daughter in the Correction herd has just finished a junior 2-year-old record in Class B, DHIA, with 566.9 lbs fat.

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ARE you worried because of udder trouble, breeding trouble, scours in calves or other ailments incident to heavy production in dairy cows?
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Many Leading Holstein Breeders Feed
MANAMAR
(the protein, mineral, vitamin supplement)
Used by Mark Keeney while producing six world records for milk and butterfat. Mentioned in "Cow-philosophy." Now—while increased milk production is so important, you should write for complete FREE information to Dept. H.
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DAIRY SUPPLIES AND SPECIALTIES
1943 ISSUE NOW ON THE PRESS
EVERY MILK PRODUCER SHOULD HAVE A COPY. MAKE REQUEST TODAY
Dept. 5, **THE MOORE BROS. CORP.**
ALBANY, NEW YORK

FRANKLIN
Uterine Capsules
A valuable aid in removing afterbirth and treats septic infection. 5 capsules $1, 12 for $3, postpaid.
CATALOG FREE!
O. M. FRANKLIN SERUM COMPANY
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"KANT-KOM-OFF"
COW COVERS
PATENTED
Write for Illustrated Price List
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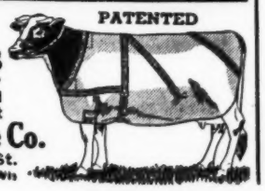

MARK KEENEY
knows udder medicines; he has tried all of them. After using one pound of BOSTON BALM he bought six pounds.
You will do the same if you will give every udder a good rub with BOSTON BALM 24 hours before calving. Don't wait for a calf bag; stop it.
4 ounces $1.00 1 pound $3.00
SENT POSTPAID
BOSTON BALM CO.
Box 7, Brookline Br., Boston, Mass.

"Too Busy with WORK to Rush out an AD"
NATIONAL PEDIGREE CO. — Vid Vye, Waukesha, Wis.

Eastern Headquarters for
Holstein Pedigrees and Sale Catalogs

As the busiest sale season in our 30-year history draws toward its close, we can at last begin to give proper attention to your pedigree orders. We thank you for your patience and will fill your orders as promptly as possible.

Backus Pedigree Co. Mexico, N. Y.

America's Oldest Established Pedigree House

When You Sell Your Herd—

To insure the greatest net returns, much depends on thoroughness in handling many details calling for expert knowledge. Our experience in management of leading Holstein dispersals throughout the country over a twenty-year period is available anywhere in the U. S A.

When you plan to sell your herd, either large or small, write us, giving details. No charge is made for correspondence on your sale problems. Rates for complete management are the same as for other reputable sale service.

A. W. PETERSEN Sales Manager, Oconomowoc, Wis.

S. C. "CY" SPRUNGER
Kidron, O. The Practical
LIVESTOCK AUCTIONEER
Phone 37

Now Available

SALES SERVICE Direct from Breeder to You

In South Central Wisconsin. Wisconsin's Paradise of Ormsby bloodlines and nationally famous Homesteads, thanks to that never-to-be-equalled Master Breeder, the late Baltz Hoesly, whose efforts still live on in hundreds of the high producing Certified and Accredited herds in this territory.
Many high producing cows and daughters of high record dams now available. For information write—

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LIVESTOCK AUCTIONEER
Specializing in Holsteins

My lifetime experience in all phases of Holstein endeavor is at your service. It pays to employ an auctioneer who knows values.

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Holsteins A Speciality

Dispersing Your Herd?

Ask a man who knows Holstein breeding and values how to get the most for your cattle. Complete sales service. Dispersal management and private trade arrangements. Attractive low rates. Inquire without obligation.

Write
JENS (Jim) BOLLERUP
WATERLOO IOWA

SMILES

"I wish the boys wouldn't call me Big Bill."
"Why."
"These college names stick. And I'm studying to be a doctor."

Calamity

"My girl is terribly deaf, and I'm in awful trouble, Bob."
"Well?"
"I had to yell so loudly when I proposed to her that the woman next door has sued me for breach of promise."

"My advice to you, colonel, is to go through the movements of driving without using the ball," said the golf instructor.
"My dear fellow," answered the colonel, "that's precisely the trouble I'm trying to overcome!"

Old Photographer—"See the dickey bird?"
Modern Child—"Just pay attention to your exposure, focal length, distance, and lighting, so that you don't ruin the plate."

That's the Reason

Homer — "Did you hear that George was shot by his wife?"
Wade—"Yes, they say there were powder marks on his body."
Homer — "Of course, that's the reason she shot him."

Hubby (at silver wedding)—"Well, dear, the years have flitted by, and I haven't deceived you yet, have I?"
Wife—"No, John, but goodness knows you've tried hard enough!"

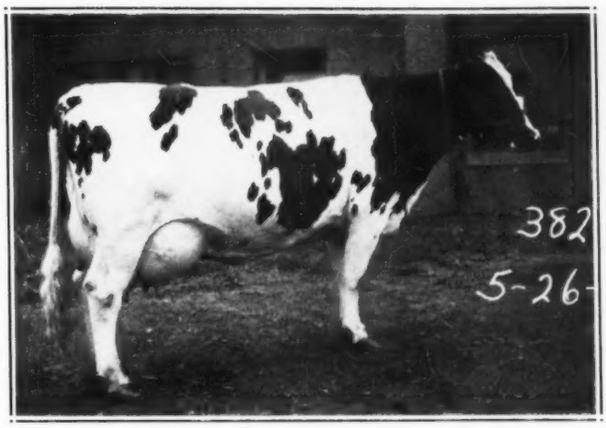
Government Agent, to Housewife—"Are you affiliated with any reform organization."
Housewife—"Yes, I'm married to a man who thinks he should be allowed to make creation over."

The colored preacher called all his flock together and before he started preaching, he said:
"Brothers and sisters, you know Ah's been preaching to this congregation for about fo' years now, and every year at hog-killing time, all Ah gets is pigs feet, and mo' pigs feet. Now Ah'm goin' to tell you folks som'tin'; if Ah preaches to this congregation any longer, Ah simply has got to eat higher up on dat hog!"

Farmer—"Young man, what do you mean by kissing my daughter in that dark corner?"
City Visitor—"Well, now that I see her out in the light, I wonder myself."

POSCH Daughter Makes 892 lbs. on 2X Milking

RECORD NO. 1126



WINTERTHUR POSCH GREAT PEMESA 1776874

2X	2— 8—16	365	16007.2	M.	3.5%	562.9 F.
2X	5— 6—13	365	18756.2	M.	3.7%	696.7 F.
2X	6—11— 1	365	22867.1	M.	3.9%	892.6 F.

Winterthur Posch Great Pemesa has just completed her 2X record of 892.6 lbs. fat. She is the 6th daughter of King Posch Ormsby of Winterthur to make over 800 lbs. fat on 2X milking. Only one other bull, Jemima Riverside Boast Ormsby Dad, a former Winterthur sire, has as many.

"Pemesa" will be remembered as another of the "milk wagons" in the Court of Dairy Queens exhibit at the National Dairy Show last year, where she freshened on October 14th and started her latest record. She was a member of five First Prize groups in the milking classes at the National Dairy Show in 1940 and 1941. Her dam (a daughter of Winterthur Bess Ormsby Great) has a 3½-yr-old record of 804.3 lbs. fat made on 2X milking, while the next dam is a 977.6 lb. daughter of Winterthur Bess Ormsby Boast.

Winterthur Posch Great Pemesa is just one of the many cows at Winterthur today that combine show type with great production on 2X milking and 2X feeding.

Her last son, born at Memphis, Tenn., was recently sold to Major Sam J. Johnson, Windy Shade Farm, West Chester, Ohio.

FOR YOUR NEXT HERD SIRE, COME TO WINTERTHUR WHERE YOU GET PRODUCTION WITH TYPE
Pedigrees, Pictures and Prices on Request

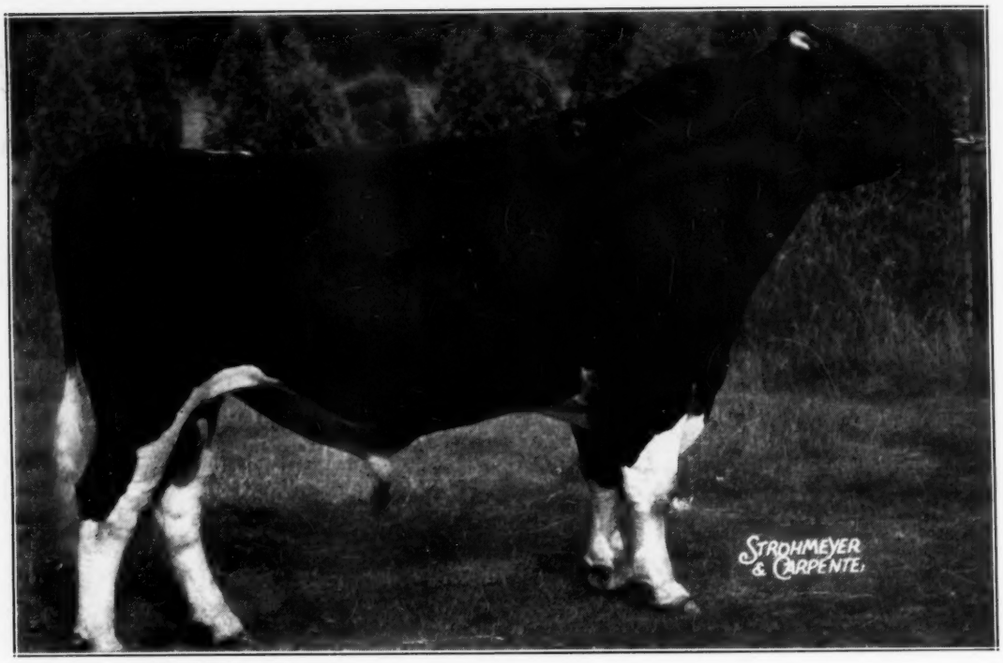
50 to 55 Cows Always on Test on 2X

WINTERTHUR FARMS

Winterthur, Delaware

Accredited 18 Years **Negative 15 Years**

MONTVIC



LOCHINVAR

Forty "Dunloggin" Females—
—Settled to His Service

Due—

APRIL
- 22—DUNLOGGIN FOND MATADOR
- 24—DUNLOGGIN ADANTHA
- 24—DUNLOGGIN MISTRESS RETTA
- 24—DUNLOGGIN SAFE BELLE

MAY
- 5—DUNLOGGIN ADESSIE BELLE
- *5—DUNLOGGIN FOND SEGIS
- 8—DUNLOGGIN PRINTRESS
- 8—DUNLOGGIN FOND BESSIE
- 8—DUNLOGGIN MISTRESS ORMSBY
- 11—DUNLOGGIN ROSE MISTRESS
- 18—DUNLOGGIN FOND LASSIE
- 19—DUNLOGGIN FOND BELLE
- *20—DUNLOGGIN LIEEN
- 20—DUNLOGGIN NORAWIN
- 24—DUNLOGGIN ADESSIC
- **24—DUNLOGGIN DORAWIN**
- 24—DUNLOGGIN MISTRESS BETSY
- 25—DUNLOGGIN GYPSIE GRACE
- 25—DUNLOGGIN PRINCESS MARATHON
- *26—DUNLOGGIN ROMEO MISTRESS
- *27—DUNLOGGIN ADEEN
- 29—DUNLOGGIN MISTRESS LA AGNES
- 29—DUNLOGGIN LETHAWIN

JUNE
- 1—LAUDERDALE PRINCESS SENSATION
- 1—DUNLOGGIN MISTRESS DE ORMSBY
- *3—DUNLOGGIN MISTRESS PAPOOSE
- 4—DUNLOGGIN ORMSBY BESSIE
- 16—DUNLOGGIN MISTRESS LA PRINCESS
- 16—DUNLOGGIN MISS ELLEN
- *17—DUNLOGGIN BESSIE HOMESTEAD
- 18—DUNLOGGIN MISTRESS MERRY
- 21—DUNLOGGIN FOND BEAUTY
- 22—DUNLOGGIN MISTRESS PRINCESS
- 22—DUNLOGGIN ORMSBY AGNES
- 23—DUNLOGGIN MISTRESS PABST
- 24—DUNLOGGIN ADAPPY
- 26—DUNLOGGIN MISTRESS RUTH

(*Indicates calf if a male is sold).

October Semi-Test

	%
Dunloggin Proud Mistress	4.4
Dunloggin Christmas Belle	4.1
Dunloggin Fond La Anna	3.6
Dunloggin Tidy Miss	4.8
Dunloggis Romeo Mistress	4.2
Dunloggin Mistress Adegis	3.8
Dunloggin Confident Queen	4.0
Dunloggin Mistress Ruth	3.9
Dunloggin Fond Joyous	4.2
Dunloggin Fond Matador	3.8
Dunloggin Fond Beets	4.1
Dunloggin Princess Marathon	3.6
Dunloggin Mistress Papoose	4.1
Dunloggin Fond Segis	4.6
Dunloggin Mistress Betty	5.1
Dunloggin Mistress Adjoy	4.4
Dunloggin Rose Mistress	4.7
Dunloggin Confident Adeen	3.8
Dunloggin Beauty Mistress	5.1
Dunloggin Fond Tidy	4.8
Dunloggin Mistress La Princess	4.7
Dunloggin Fond Bessie	3.7
Dunloggin Mistress Adess	4.4
Dunloggin La Lucy	4.2
Dunloggin Mistress Mollie	5.0
Dunloggin Ormsby Beets	4.1
Dunloggin Safe Belle	3.8
Dunloggin Bess Burke Belle	5.3
Dunloggin Beauty Belle	3.4
Dunloggin Gypsie Owana	3.7
Dunloggin Della Papoose	5.0
Dunloggin Gypsie Dora	4.1
Dunloggin Adessic Belle	3.7
Dunloggin Ormsby Desire	4.0
Dunloggin Gypsie Grace	3.7

DUNLOGGIN
ELLICOTT CITY, MD.

ELLICOTT CITY, MARYLAND
ACCREDITED CERTIFIED

HOLSTEIN-FRIESIAN WORLD ALL-AMERICAN SELECTIONS *for* 1942

All-American Aged Bull

KING BESSIE SENATOR

All-American Get of Sire

By ECHO HELBON MERCEDES

All-American Aged Cow

SUNNY MEADOWS R. A. SEGIS LASS

All-American 3-Yr.-Old Bull

IOWANA ORMSBY IVY PRINCE

All-American Produce of Dam

From LADY SENATOR MADISON

All-American 4-Yr.-Old Cow

PIEK SPRING MONTVIC BURKE LASS

All-American 2-Yr.-Old Bull

KING BESSIE KORNDYKE CANARY

All-American Bull Calf

FRANLO CHOICE

All-American 3-Yr.-Old Cow

SKY ACRES FOBES BOSSIE

All-American Sr. Yearling Bull

DICTATOR ORMSBY OAK

All-American Jr. Yearling Heifer

SUSIE CANARY COLUMBUS

All-American 2-Yr.-Old Cow

STRATHMORE HEILO WINSOME FLOOD

All-American Jr. Yearling Bull

PABST BARTA PRILLY WAYNE

All-American Heifer Calf

CORNELL SUCCESSOR JOYCE

All-American Sr. Yearling Heifer

LADY DOUGLAS BESSIE

Christmas Greetings

and Best Wishes for 1943 to Holstein Folks Everywhere

MAY we also take this opportunity to extend congratulations to all of the breeders and owners of the 1942 All-Americans. It so happens that this is the first time in the past twelve years that Maytag has failed to have one or more All-Americans and we greatly regret that circumstances made it impossible for us to show this year and so at least try to get into the competition.

MAYTAG has enjoyed the best year in its history with regard to Bull Sales, and we are glad to report that the average price received for our bulls has been the highest of any year since we started in the breeding business. It is also pleasing to us that so many of these bulls went to our old customers, many coming back for their second, third, fourth and even fifth Maytag bull.

BLUE CHEESE sales have been booming, so much so that we have been unable to supply even our direct mail customers—which is the way most of it is being sold. Thus far we have been unable to produce enough to even scratch the surface of the wholesale market. Holiday orders have completely swamped us, but we hope to get under way with increased production after the first of the year.

DUROC SALES, both of boars and gilts, have been excellent, with the demand exceeding the supply.

To us as to all breeders, dairymen and farmers, wartime conditions have brought special problems that sometimes seem almost insurmountable, but like all of you, we keep whittling away at them, trying to meet each new problem as it arises, to adjust our business to the necessities of a global war and to help maintain the production of food required by this war-torn world.

To all our friends and customers and to the whole family of WORLD *readers, we send our best wishes for a happy Holiday Season and a prosperous New Year, together with the earnest hope that, with the war definitely won, the blessings of Peace may return to this land and to the world during 1943.*

HERD NEGATIVE from CALFHOOD VACCINATION

MAYTAG DAIRY FARMS

Incorporated

Registered DUROCS - - - MAYTAG BLUE CHEESE

Fred Maytag, II, Pres. Newton, Iowa M. M. Campbell, V. P. and Mgr.

Lochinvar Sons Make More History

MONTVIC LOCHINVAR
Owned Jointly by Osborndale and Dunloggin.

In his recent dispersal, Sec'y George Clemons, sold a LOCHINVAR son for $14,100, the highest public sale price for a Holstein since 1926.

In the Blue Ribbon Sale, a LOCHINVAR son was top bull at $1,750, although only ten weeks old, and a twin at that.

In the Invitational Earlville Sale, LOCHINVAR son as yet **unborn** came near topping the sale at $1,900.

LOCHINVAR, after his period of service at Dunloggin, where they have announced 40 of their best ones as pronounced safe in calf by him, is now in service at Osborndale, where we will try to give him the best opportunity possible.

We take this opportunity to extend our congratulations to Mr. Backus, Dr. Harrison and all the Earlville organization, on the outstanding success of the Invitational Earlville Sale. As long time patrons of the Earlville Sales, both as consignors and as buyers, we were proud to have had a small part in this history making sale.

And to WORLD Readers Everywhere — the Season's Greetings
And Best Wishes for Peace and Prosperity in 1943

ACCREDITED **OSBORNDALE** CERTIFIED

MRS. W. S. KELLOGG, Owner **Derby, Conn.** **F. M. NICHOLS, Supt.**

Offering a Line Bred Modest Bull

Son of 27th from the Highest Record Modest Daughter

This outstanding young bull is very typy throughout, straight top line, good length and depth of body, dark in color and a double grandson of old Sir Modest.

Dam—QUONQUONT BESSIE MODEST

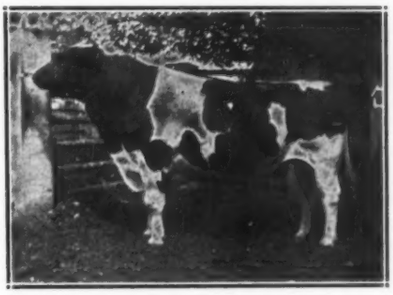
At 4½ yrs. — 365d — 23,123.3 M. 4.2% 968.6 F.

Third on the Honor List for 1941

This sensational daughter of Quonquont Sir Modest is out of Quonquont Butter Girl, who has produced in her lifetime over 130,000 lbs milk, her first three official records averaging 821 lbs fat, 3.6% average test.

Sire—QUONQUONT SIR MODEST 27th

His daughters have records up to 836 lbs fat and his first 10 unselected daughters average 3.8% test.



QUONQUONT SIR MODEST 27th
Our present senior sire—a proven son of Sir Modest from a dam with 936 lbs fat, 3.9% test.

Buy This Outstanding Bull Young and Save on First Cost — Write for Details

REMEMBER QUON-QUONT Where Quality Prevails and CALFHOOD VACCINATION Predominates

QUON-QUONT STOCK FARM

Herd Fully Accredited Since 1923

F. U. WELLS . . . OWNER

WHATELY MASS.

Published Every Other Saturday Price $1.50 Per Year
Entered as second class matter December 16, 1918 at the office at Lacona, New York, under the act of March 4, 1879

Sensation Get Scores Again

With Another Reserve All-American Award

A Proud Record For A Great Sire

From the camera, they are:

PABST CASCADE PRILLY WAYNE (at 10½y)
(664 lbs fat at 2 yrs.)
Grand champion at Minnesota 1937 and a money cow at Wisconsin 1942 at 10½ years old.

PABST CASCADE WAYNE (At 8 yrs.)
(587.7 lbs fat at 2 yrs.)
Third prize 4-yr.-old at Wisconsin 1939. Full sister to "Prilly Wayne."

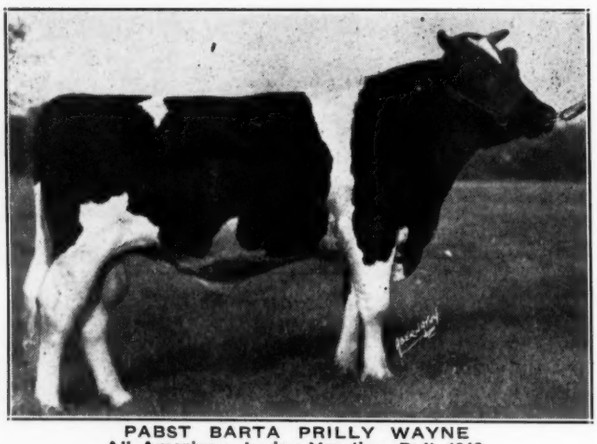
PABST CASCADE COLANTHUS (At 9 yrs.)
(663.3 lbs fat at 2 yrs.)
Grand champion at Wisconsin and Iowa 1937.

PABST CASCADE LUCY (At 8 yrs.)
(670.2 lbs fat at 2 yrs.)
Senior champion at Ohio 1939 and a money cow at Wisconsin 1942 at 8 years old.

Get of CARNATION SENSATION—Reserve All-American Get 1942

IN the past six years of All-American competition, our SENSATION GETS have been once All-American, three times Reserve All-American and twice Honorable Mention, never during this period ranking below third among all the great Gets in competition. Few sires have ever made such a showing, year after year. Their Reserve All-American award of 1942 is especially gratifying to us as all four members of the 1942 Get are cows 8 to 10 years of age with years of production behind them.

Son of "Prilly Wayne" Is All-American



PABST BARTA PRILLY WAYNE
All-American Junior Yearling Bull 1942.
Our junior sire — son of Sir Ormsby Skylark Barbetta from Pabst Cascade Prilly Wayne.

PABST CASCADE PRILLY WAYNE, the No. 1 cow in the group above, is the dam of the All-American bull pictured at the left — one of our junior herd sires.

We also have a younger son of "PRILLY WAYNE" sired by "BURKE", formerly the highest index Gold Medal Sire — and he too is being reserved for service at Pabst Farms.

PABST CASCADE PRILLY WAYNE will be remembered as grand champion at Minnesota State Fair way back in 1937 and at past ten years of age was still good enough to place 10th in that great aged cow class at Wisconsin State Fair this fall. As a two-year-old she made 664 lbs. fat and now at almost 11 years old is still breeding and producing. It is on cows like this that the future of our breed depends.

GREETINGS OF THE HOLIDAY SEASON TO HOLSTEIN BREEDERS EVERYWHERE

PABST FARMS [Acc. & Neg.] Oconomowoc, Wis.

Season's Greetings

To Our Many Friends

Season's Greetings

Throughout 1943 we will have a great many outstanding bull calves sired by

CARNATION CRITERION

Our son of Governor of Carnation from the 981-lb fat 4.0%
sister to the Gold Medal Sire, Carnation Sensation.

And in the early months to come we will have our first calves sired by

CARNATION AMBASSADOR

Our junior sire by Carnation Governor Imperial from the 1209-lb fat
4.1% "Throne Stall Cow"—Carnation Ormsby Fayne Madcap.

May We Help You With Your Herd Sire Problem?

[Excellent Calves Available Up To Three Months Old]

Gilkey Farms

OWATONNA MINNESOTA

H. S. GILKEY, Owner

FLOYD SCHENDEL, Supt.

Home of

CARNATION CRITERION

Introducing a Proven Sire—

KING BESSIE DON SEGIS

This sire was proven in the herd of our Southern Wisconsin Colony & Training School at Union Grove,

HIS FIRST 11 A. R. DAUGHTERS AVERAGE
14,115.5 M. 4.01% 566.3 F.
All 3X — Average Age 2 yrs, 5 mos.

We have never yet tested one of his daughters that failed to make over 500 lbs fat at 2 yrs and five of the first eleven tested from 4.1 to 4.5%.

TWO DON SEGIS DAUGHTERS sold in the Show Window Sale, both two-year-olds carrying their first calves and bred to a son of the same sire. One sold for $425, the other for $300. To the buyers, R. L. Anderson of Wisconsin and DuPage River Farm of Illinois, our thanks and best wishes.

KING BESSIE DON SEGIS
A blue ribbon son of King Bessie from Senorita Segis Fobes (820 lbs fat, 4.3% at 3 yrs).

KING BESSIE DON SEGIS is one of a number of sires that have been proven during recent years in our State Institution Herds by our policy of continuous testing, year after year. All of these State Herds are tested every year in DHIA, our last year's average on the combined herds being **11,622 lbs milk, 3.54%, 410.8 lbs fat on 846 head.** Several of these herds are also run each year on Herd Test and a number of them have been doing A R work successfully for many years. This great mass of records on from 800 to almost 1000 cows every year gives us a wealth of information for use in planning our future breeding program for these herds.
If this information can be of use to other breeders in our own or other states, we will be glad to have them call on us.

Wisconsin State Department of Public Welfare

W. W. KINYON, Farm Supervisor **MADISON, WISCONSIN**

HOLSTEINS

ABRAHAM ELLER
Owner

BILL LYNN
Manager

THE ELLER FARM
NEW PALTZ • NEW YORK

Built Around Lathrop Star Homestead

Many of our greatest foundation animals are daughters of this famous sire, winner of the first Mount Hope prize for proven sires. The 13 daughters at The Eller Farm average 777.9 lbs. fat for their best records —719 for ALL records. "Star" granddaughters in our herd are going to average even higher. They have the quality and style we like along with high production and high test so firmly fixed in this family. We are using a great son of this sire, and outcrossing the "Stars" with ELBRO ADMIRAL DE VRIES, son of the only twice 1000-lb. fat 2X producer. We offer his sons from dams of the "Star" line.

23 Daughters—65 Lactations—Average 721 Lbs. Fat

To All My Holstein Friends
I Send the Season's Greetings
And Best Wishes for a Victorious Year Ahead

In this personal greeting to you hundreds of Holstein people all over central and eastern United States and Canada, whom I have served in my capacity as auctioneer, I acknowledge my hearty appreciation of your friendship, both in and outside of the auction sale ring. I count it a privilege to serve you breeders of the great Black and White Cow.

Auction sales bring together large groups of cattle in one place where buyers may select at a great saving of time, tires and gasoline. Breeders who find it desirable or necessary to disperse their herds or market their surplus animals, find the auction sale their most convenient market-place.

As a Holstein auctioneer I am proud of the service that sales are performing for the dairy industry in its great war effort. Our sales help you to "keep 'em milking."

C. B. Smith
PINCONNING, MICHIGAN

MONTVIC CHIEFTAIN 7th

Our Herd Sire

Takes His Place in the Holstein Hall of Fame

With His New Official H. I. R. Index

15 Pairs	Daus. Av. (34 records)	15710 M	4.13%	649 F
	Dams Av. (80 records)	16250 M	3.41%	554 F
Sire's Index (B)		15170 M	4.85%	736 F

Highest Test Index of the Breed for All Time

We feel justifiably proud in announcing this new Index at this time of All-American achievement, when recognition is being given to the best of the breed. No Holstein sire has ever sired such high test. Few have ever sired greater production. His All-American high-test ancestry have bred true.

Production Assured

Since 15 daughters have made 34 records under official H. I. R. supervision with the phenomenal average of 4.13%, Chieftain 7th's prepotency for transmitting uniformly high test and good production becomes an established fact. In fact, milk and fat are nearly 10% higher by this Index, over previous Indexes.

Type Improved

His daughters have improved type, too. Fifteen officially classified daughters scored 84.7 compared to 81.3 for their dams. And his sons are transmitting good type and production. A number of prominent herds have Chieftain 7th sons at their head and doing an outstanding job.

Quality Dams

Lastly, we have the dams to mate with Chieftain 7th. Fourteen beautifully uddered Rag Apple dams, close-up in lineage to old Johanna, Baron, and Pathfinder. A score of other dams having 500, 600, 700 fat 2X records. Consider these possibilities for your next herd sire.

CHIEFTAIN 7TH SONS NOW AVAILABLE

We have had to disappoint a lot of breeders because no Chieftain 7th sons were available. We now have available a month-old son of a young 4% dam; color marked like old Baron; priced quite reasonably.
In addition, we have decided to offer the 12-month-old son of a 550 fat 3-yr.-old dam that we have had in reserve, to any breeder within reasonable trucking distance, provided we retain a service interest for one year.
Also, several sons are due in the next couple of months from good record dams. Possibly you should reserve the right one for your future needs.

A FEW CHIEFTAIN 7TH HEIFERS AVAILABLE

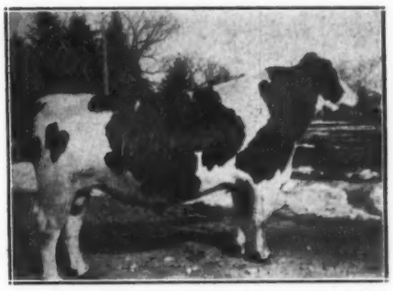
We would part with a few heifer calves as we are getting more than we can raise. Here is a chance to raise some real foundation heifers at a reasonable price. Current public sales indicate much higher prices than we are asking.

Congratulations, Mr. Samson, on your $2200 son of a Chieftain 7th Daughter.

KNOLLWOOD FARMS

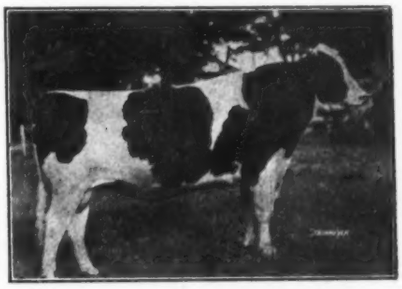
325 Beresford Road DANIEL I. MAYNE, Owner Rochester, N. Y.

MONTVIC CHIEFTAIN 7th
Our Herd Sire for the Past 2 Yrs.

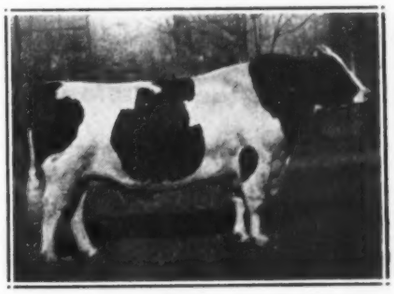


MONTVIC CHIEFTAIN
His Famous Sire

The World Record
Pedigree
For High Test



MONTVIC RAG APPLE BARON
7th's Well Proven Grand Sire

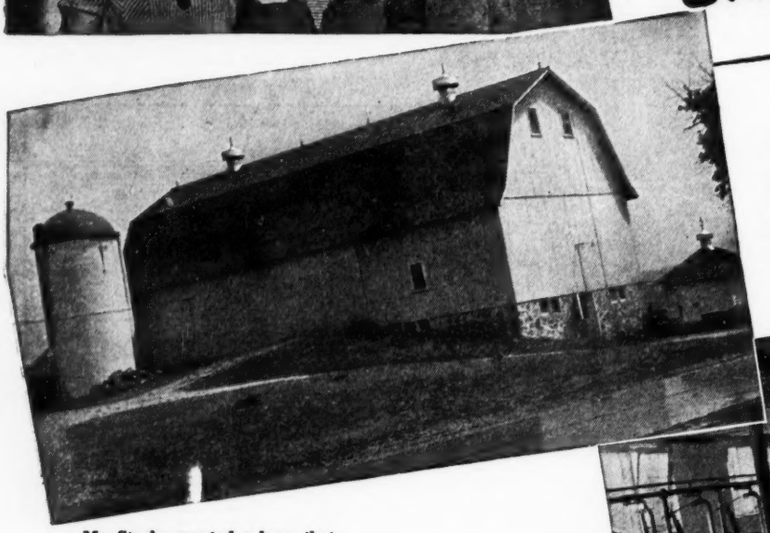


JOHANNA RAG APPLE PABST
7th's other Grand Sire and double Great Grand Sire. Four Times All-American with 22 All-American Descendants. 7th gets 50% of his blood from old Johanna.

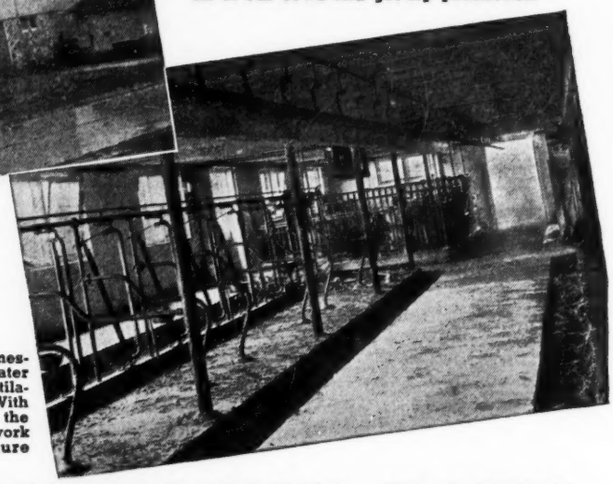
Our JAMESWAY Barn is Like Having EXTRA HELP"

—say the HADLEY STOCKS of Oconomowoc, Wisconsin

Photo shows Mr. and Mrs. Stocks and one of their five children. "We're all mighty proud of our Jamesway barn," they agree. And Mr. Stocks adds, "Its labor-saving arrangement and modern equipment has a lot to do with making it possible to keep all of our cows and get top production."



Mr. Stocks wanted a barn that was handy to work in and up-to-date in every way. And he wanted it at reasonable cost. Jamesway planning and equipment filled the bill exactly." Another time I wouldn't look anywhere else. It would be Jamesway all the way for me," he says.



The barn is fitted with Jamesway stalls, stanchions, water cups, pens, box stalls, ventilation and litter carriers. With equipment like this, even the youngsters can do a man's work around the barn. That sure does help, nowadays.

PLAN *Your* JAMESWAY BARN

Thousands of good, practical farmers like Hadley Stocks, are proud of barns planned and equipped by Jamesway. And today, that efficient, labor-saving equipment is seeing them through the emergency — helping them produce more with less help.

Now is the Time to Plan YOUR Jamesway Barn. At present, of course, new equipment is hard to get. The James Mfg. Co., like all of American industry, is producing goods needed to win this war. But the day is coming when you CAN have that modern barn you want. Save for it — with War Bonds. Plan for it — NOW — with your Jamesway Man or dealer.

Jamesway TRADE MARK REG. U.S. PAT. OFF.

ALL THE WAY . . .

Barn, Poultry and Hog House Equipment, Self Feeders and Ventilation.

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Dept. H.F. 1242
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Oakland, Calif.

Mating Our EMPEROR and DEAN Daughters

with

MATCHMAKER

And Getting Great Calves from Such Combinations

CARNATION EMPEROR

A Blue Ribbon Aged Bull

Well proven as a sire of show type and good production with high test, he is a son of Governor of Carnation from a 931-lb fat daughter of Sir Inka May, next dam, with 974 lbs fat, is the dam of Matador Segis Ormsby.

CARNATION MATCHMAKER

Son of Governor of Carnation from a 1,000-lb fat daughter of Matador Segis Ormsby.

WIMBLEDON DEAN MARATHON

All-Time All-American 2-year-old

Res. All-Time All-Am. Sr. Yearling

Proven as a sire of type, production and test, he is a grandson of Lashbrook Pearl Ormsby and Marathon Bess Burke.

Ask Us About MATCHMAKER Bulls from EMPEROR and DEAN Dams

WIMBLEDON FARMS — Annapolis, Md.

H. O. NORRIS, Owner **(Acc. & Cert.)** **L. H. STOTTLEMYER, Supt.**

1500 REGISTERED HOLSTEINS BRED TO THESE 5 SIRES

Fairview Montvic Chieftain

Son of the World Record CNE Champion, **Montvic Rag Apple Colantha Abbekerk,** 1263-lb fat, 4.32% test. Sired by **Montvic Chieftain.** We have over 600 of his daughters.

Duke Wilson Posch

Grandson of Johanna Rag Apple Pabst **from a 958-lb, 3.9% daughter of a 952-lb 4-yr-old. Over 400** cows are in calf to him.

Wimbledon Inka Chieftain

Proven son of Carnation Chieftain from a **daughter** of Sir Inka May. We have over 400 **daughters** of this well proven bull.

Carnation Inka Emperor

Proven full brother to famed Carnation Emperor—a son of Governor of Carnation. 12 **daughters** average 502 lbs fat, 4.18%, 2X, 305 **days, at 27** months of age.

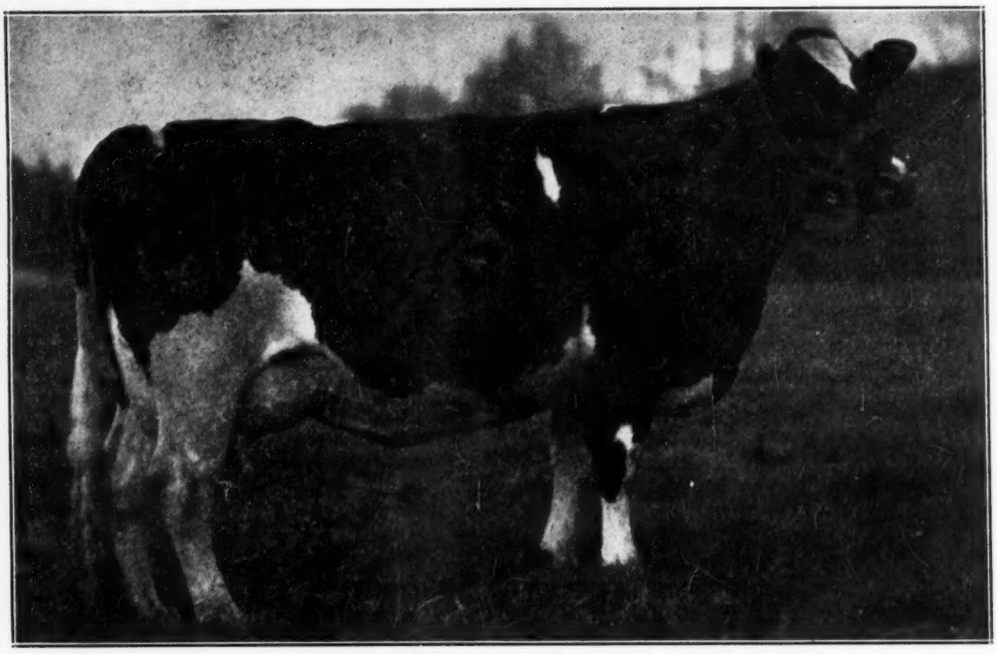
Carnation Hazelwood Korndyke Lad

A young son of Carnation Peerless from a daughter of Carnation Chieftain. 300 bred to him.

We offer a wide selection of sons of these sires from dams with records as high as 800 lbs. fat. Write today for our current bull sales list.

BROOME-TIOGA DAIRY CATTLE ARTIFICIAL BREEDING COOP., INC.

Louis J. Beautes, Supt. Ouaquaga, N. Y.



Carnation Hazelwood Mildred 1871451
Butterfat (5y) — 827.3 (Class B)
Milk — 23,433.6

Here's A Chance To Buy A Son Of One Of The Most Promising Young Cows At Carnation Farm

On July 9, 1942, Carnation Hazelwood Mildred had a bull calf, Ear Tag 7866, and this handsome youngster is now for sale.

As a 2-year-old in Class B, Carnation Hazelwood Mildred made 629 lbs. of fat, and now at 5 years she has made 827 lbs. of fat in Class B. You can mark her down as one of the most promising young cows at Carnation Farm. She has the size, the capacity, and the other qualities of a great cow.

She is a daughter of Carnation Peerless from a daughter of Matador Segis Ormsby, and Carnation's 4 greatest foundation cows are behind her.

And to top everything, her bull calf, Ear Tag 7866, now being offered, is sired by Governor of Carnation. You will search far for a bull whose sire and dam promise so much, and whose backing has proved as prepotent.

We will be happy to send you full details and a pedigree upon request.

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Carnation Milk Farms